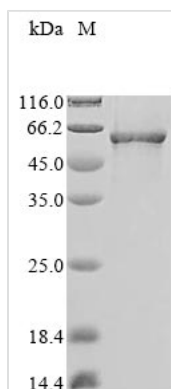




# Recombinant Mycoplasma genitalium

## Uncharacterized protein MG281 (MG281)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-CF341708MLN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Abbreviation</b>      | Recombinant Mycoplasma genitalium MG281 protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                                                                                                                                                                                                                      |
| <b>Uniprot No.</b>       | P47523                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Form</b>              | Liquid or Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Buffer</b>    | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen Species</b> | Mycoplasma genitalium (strain ATCC 33530 / G-37 / NCTC 10195)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>            | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Sequence</b>          | MQFKKHKNSVKFKRKLFWTIGVLGAGALTTFSAVMITNLVNQSGYALVASGRS<br>GNLGFKLFSTQSPSAEVKLKSLSLNDGSYQSEIDLSGGANFREKFRNFANELS<br>EAITNSPKGLDRPVPKTEISGLIKTGDNFITPSFKAGYYDHVASDGSLLSYYQST<br>EYFNNRVLMPIQLTTNGTLMANNRGYDDVFRQVPSFSGWSNTKATTVSTSN<br>LTYDKWTFYFAAKGSPLYDSYPNHFFEDVKTLAIDAKDISALKTTIDSEKPTYLIIR<br>GLSGNGSQLNELQLPESVKKVSLYGDYTGNNVAKQIFANVVELEFYSTSKANS<br>FGFNPLVLGSKTNVIYDLFASKPFTHIDLTQVTLQNSDNSAIDANKLKQAVGDIY<br>NYRRFERQFQGYFAGGYIDKYLKVNVTNKNKSDDDLTVYRSLKELNLHLEEAYR<br>EGDNTYYRVNENYYPGASIYENERASRDSEFQNEILKRAEQNGVTFDENIKRIT<br>ASGKYSVQFQKLENTDSSLERMTKAVEGLTVVIGEEKFETVDITGVSSDTNE<br>VKSLAKELKTNALGVKLKL |
| <b>Research Area</b>     | Others                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>            | in vitro E.coli expression system                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Target Names</b>      | MG281                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Expression Region</b> | 1-556aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Tag Info</b>          | N-terminal 10xHis-tagged                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Mol. Weight</b>       | 65.0 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Length</b>    | Full Length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Image</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.