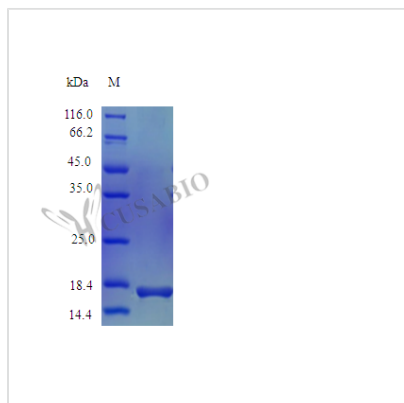




# Recombinant Mouse Interleukin-36 alpha protein (Il36a) (Active)

|                            |                                                                                                                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-AP003431MO                                                                                                                                                                                                          |
| <b>Abbreviation</b>        | Recombinant Mouse Il36a protein (Active)                                                                                                                                                                                |
| <b>Uniprot No.</b>         | Q9JLA2                                                                                                                                                                                                                  |
| <b>Form</b>                | Lyophilized powder                                                                                                                                                                                                      |
| <b>Storage Buffer</b>      | Lyophilized from a 0.2 µm filtered PBS, 1 mM DTT, 3 % trehalose                                                                                                                                                         |
| <b>Product Type</b>        | Interleukin                                                                                                                                                                                                             |
| <b>Immunogen Species</b>   | Mus musculus (Mouse)                                                                                                                                                                                                    |
| <b>Biological Activity</b> | Fully biologically active when compared to standard. The ED50 as determined by inducing IL-6 secretion in murine NIH/3T3 cells is less than 25 ng/ml, corresponding to a specific activity of $>4.0 \times 10^4$ IU/mg. |
| <b>Purity</b>              | $\geq 95\%$ as determined by SDS-PAGE.                                                                                                                                                                                  |
| <b>Sequence</b>            | RAASPSLRHV QDLSSRVWIL QNNILTAVPR KEQTVPVITIT LLPCQYLDTL<br>ETNRGDPTYM GVQRPMSCLF CTKDGEQPV LQLGEGNIMEM YNKKEPVKAS<br>LFYHKKSGTT STFESAAPFG WFIIVCSKGS CPLILTQELG EIFITDFEMI VVH                                         |
| <b>Research Area</b>       | Immunology                                                                                                                                                                                                              |
| <b>Source</b>              | E.coli                                                                                                                                                                                                                  |
| <b>Target Names</b>        | Il36a                                                                                                                                                                                                                   |
| <b>Expression Region</b>   | 8-160aa                                                                                                                                                                                                                 |
| <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>            | Tag-Free                                                                                                                                                                                                                |
| <b>Mol. Weight</b>         | 17.1 kDa                                                                                                                                                                                                                |
| <b>Protein Length</b>      | Full Length of Mature Protein                                                                                                                                                                                           |
| <b>PubMed ID</b>           | 10744718; 11466363; 16141072; 20101239; 21860022; 21965679; 21881584; 23029241; 24829417                                                                                                                                |

**Image**


**Endotoxin**

Less than 1.0 EU/μg as determined by LAL method.

**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.