



# Recombinant Human G protein pathway suppressor 2 (GPS2)

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|--------------------------|--|
| <b>Product Code</b>      | CSB-BP009859HU   |
| <b>Abbreviation</b>      | GPS2   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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>       | Q13227   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | ≥85% (SDS-PAGE)  |
| <b>Sequence</b>          | MPALLERPKL SNAMARALHR HIMMERERKR QEEEEVDKMM<br>EQKMKEEQER RKKKEMEERM SLEETKEQIL KLEEKLLALQ EEKHQLFLQL<br>KKVLHEEEKR RRKEQSDLTT L TSAAYQQSL TVHTGTHLLS MQGSPGGHNR<br>PGTLMAADRA KQMFGPQVLT TRHYVGSAAA FAGTPEHGQF<br>QGSPGGAYGT AQPPPHYGPT QPAYSPSQQL RAPSAPPAVQ<br>YLSQPQPQPY AVHGHFQPTQ TGFLQPGGAL SLQKQMEHAN<br>QQTGFSDSSS LRPMPQALH PAPGLLASPQ LPVQMMPAGK SGFAATSQPG<br>PRLPFIQHSQ NPRFYHK   |
| <b>Source</b>            | Baculovirus  |
| <b>Target Names</b>      | GPS2   |
| <b>Protein Names</b>     | Recommended name: G protein pathway suppressor 2 Short name= GPS-2   |
| <b>Expression Region</b> | 1-327  |
| <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 type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | full length protein  |
| <b>Target Details</b>    | This gene encodes a protein involved in G protein-mitogen-activated protein kinase (MAPK) signaling cascades. When overexpressed in mammalian cells, this gene could potentially suppress a RAS- and MAPK-mediated signal and interfere with JNK activity, suggesting that the function of this gene may be signal repression. The encoded protein is an integral subunit of the NCOR1-HDAC3 (nuclear receptor corepressor 1-histone deacetylase 3) complex, and it was shown that the complex inhibits JNK activation through this subunit and thus could potentially provide an alternative mechanism for hormone-mediated antagonism of AP1 (activator protein 1) function. |
| <b>Reconstitution</b>    | 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

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