



# Recombinant Human G protein pathway suppressor 2 (GPS2)

<b>Product Code</b>	CSB-EP009859HU-B
<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. 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 EQKMKEEQER RKKKEMEERM SLEETKEQIL KLEEKLLALQ EEKHQLFLQL KKVLHEEEKR RRKEQSDLTT LTAAYQQSL TVHTGTHLLS MQGSPGGHNR PGLMAADRA KQMFQPQVLT TRHYVGSAAA FAGTPEHGQF QGSPGGAYGT AQPPPHYGPT QPAYSPSQQL RAPSAPPAVQ YLSQPQPQPY AVHGHFQPTQ TGFLQPGGAL SLQKQMEHAN QQTGFSDSSS LRPMPQALH PAPGLLASPQ LPVQMOPAGK SGFAATSQPG PRLPFIQHSQ NPRFYHK
<b>Source</b>	E.coli
<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 potently 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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