



# 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 L TSAAYQQSL TVHTGTHLLS MQGSPGGHNR PGTLMAADRA KQMFGPQVLT TRHYVGSAAA FAGTPEHGQF QGSPGGAYGT AQPPPHYGPT QPAYSPSQQL RAPSAPPAVQ YLSQPQPQPY AVHGHFQPTQ TGFLQPGGAL SLQKQMEHAN QQTGFSDSSS LRPMPQALH PAPGLLASPQ LPVQMMPAGK 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 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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