

Recombinant Human GPS2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GPS2-6569H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GPS2 MS Standard C13 and N15-labeled recombinant protein (NP_004480) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	36.7 kDa
AA Sequence	MPALLERPKLSNAMARALHRHIMMERERKRQEEEEVDKMMEQKMKEEQERRKKKE MEERMSLEETKEQILKLEEKLLALQEEKHQLFLQLKKVLHEEEKRRRKEQSDLTTLTS AAYQQSLTVHTGTHLLSMQGSPGGHNRPGTLMADRAKQMFQPQLTTRHYVGS AAAFAGTPEHGQFQGSPGGAYGTAQPPPHYGPTQPAYSPSQQLRAPSAFPAVQYL

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SQPQPQPYAVHGHFQPTQTGFLQPGGALSLQKQMEHANQQTGFSDSSSLRPMHP
 QALHPAPGLLASPQLPVQMMPAGKSGFAATSQPGPRLPFIQHSQNPRFYHKTRTRP
 LEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name GPS2 G protein pathway suppressor 2 [Homo sapiens (human)]

Official Symbol GPS2

Synonyms GPS2; G protein pathway suppressor 2; GPS-2; AMF-1; MGC104294; MGC119287; MGC119288; MGC119289;

Gene ID 2874

mRNA Refseq NM_004489

Protein Refseq NP_004480

MIM 601935

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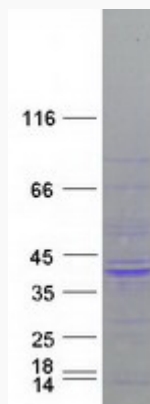
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UniProt ID

Q13227

SDS-PAGE

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