

Recombinant Human GRB14 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GRB14-5405H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GRB14 MS Standard C13 and N15-labeled recombinant protein (NP_004481) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The product of this gene belongs to a small family of adapter proteins that are known to interact with a number of receptor tyrosine kinases and signaling molecules. This gene encodes a growth factor receptor-binding protein that interacts with insulin receptors and insulin-like growth-factor receptors. This protein likely has an inhibitory effect on receptor tyrosine kinase signaling and, in particular, on insulin receptor signaling. This gene may play a role in signaling pathways that regulate growth and metabolism. Alternative splicing results in multiple transcript variants.
Molecular Mass	61 kDa
AA Sequence	MTTSLQDGQSAASRAAARDSPLAAQVCGAAQGRGDAHDLAPAPWLHARALLPLPD GTRGCAADDRKKKDLDPPEMPSIPNPFPELCCSPFTSVLSADLFPKANSRKKQVIKV YSEDETSRALDVPSPDITARDVCQLLILKNHYIDDHSWTLFEHLPHIGVERTIEDHELVI EVLSNWGIEEENKLYFRKNYAKYEFFKNPMYFFPEHMOVSFATETNGEISPTQILQMF LSSSTYPEIHGFLHAKEQGKKSWKKIYFFLRSGLYFSTKGTSKEPRHLQFFSEFGN SDIYVSLAGKKKHGAPTNYGFCFKPNKAGGPRDLKMLCAEEEQSRTCWVTAIRLLK

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YGMQLYQNYMHPYQGRSGCSSQSISPMRSISENSLVAMDFSGQKSRVIENPTEALS
 VAVEEGLAWRKKGCLRLGTHGSPTASSQSSATNMAIHRSQPWFHHKISRDEAQRLLI
 QQGLVDGVFLVRDSQSNPKTFVLMSHGQKIKHFQIIPVEDDGEMFHTLDDGHTRF
 TDLIQLVEFYQLNKGVLPCCLKHYCARIALTRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

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 GRB14 growth factor receptor-bound protein 14 [Homo sapiens (human)]

Official Symbol GRB14

Synonyms GRB14; growth factor receptor-bound protein 14; GRB14 adapter protein;

Gene ID 2888

mRNA Refseq NM_004490

Protein Refseq NP_004481

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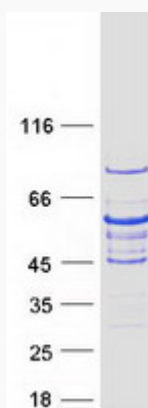
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MIM 601524

UniProt ID Q14449

SDS-PAGE



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