

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

Cat. No. GRAP-2969H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GRAP MS Standard C13 and N15-labeled recombinant protein (NP_006604) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the GRB2/Sem5/Drk family and functions as a cytoplasmic signaling protein which contains an SH2 domain flanked by two SH3 domains. The SH2 domain interacts with ligand-activated receptors for stem cell factor and erythropoietin, and facilitates the formation of a stable complex with the BCR-ABL oncoprotein. This protein also associates with the Ras guanine nucleotide exchange factor SOS1 (son of sevenless homolog 1) through its N-terminal SH3 domain. In general, it couples signals from receptor and cytoplasmic tyrosine kinases to the Ras signaling pathway.
Molecular Mass	25.3 kDa
AA Sequence	MESVALYSFQATESDELA FNKGD TLKILNMEDDQNWYKAELRGVEGFIPKNYIRVKP HPWYSGRISRQLAEEILMKRNHLGAFLIRESESSPGFEFSVSVNYGDQVQHFKVLREA SGKYFLWEEKFNLSNELVDFYRTTTIAKKRQIFLRDEEPLLKSPGACFAQAQDFDSA QDPSQLSFRRGDIIEVLERPDPHWWGRSCGRVGFFPRSYVQPVHLTRTRPLEQKL ISEEDLAANDILDYKDDDDKV

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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.

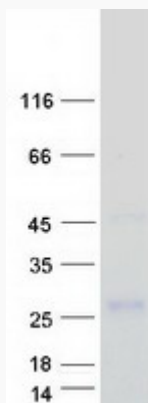
GENE INFORMATION

Gene Name	GRAP GRB2-related adaptor protein [Homo sapiens (human)]
Official Symbol	GRAP
Synonyms	GRAP; GRB2-related adaptor protein; GRB2-related adapter protein; growth factor receptor-bound protein 2-related adaptor protein; MGC64880;
Gene ID	10750
mRNA Refseq	NM_006613
Protein Refseq	NP_006604
MIM	604330
UniProt ID	Q13588

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SDS-PAGE

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