

## Product datasheet for PH308908

### GRAP (NM\_006613) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	GRAP MS Standard C13 and N15-labeled recombinant protein (NP_006604)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208908
Predicted MW:	25.3 kDa
Protein Sequence:	>RC208908 protein sequence Red=Cloning site Green=Tags(s)  MESVALYSFQATESDELAFNKGDTLKILNMEDDQNWYKAELRGVEGFIPKNYIRVKPHPWYSGRISRQLA EEILMKRNHLGAFLIRESESSPGEFSVSVNYGDQVQHFVKVLRASGKYFLWEEKFNLSNELVDFYRTTTI AKKRQIFLRDEEPLLKSPGACFAQAQDFSAQDPSQLSFRRGDIEVLERPDPHWWRGRSCGRVGFPPRS YVQPVHL  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_006604</a>
RefSeq Size:	2089
RefSeq ORF:	651
Synonyms:	DFNB114
Locus ID:	10750
UniProt ID:	<a href="#">Q13588</a>

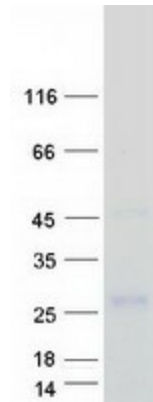


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Cytogenetics: 17p11.2

**Summary:** 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. [provided by RefSeq, Jul 2012]

### Product images:



Coomassie blue staining of purified GRAP protein (Cat# [TP308908]). The protein was produced from HEK293T cells transfected with GRAP cDNA clone (Cat# [RC208908]) using MegaTran 2.0 (Cat# [TT210002]).