

## Recombinant Human GRAP Protein, GST-tagged

**Cat. No.** GRAP-5032H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GRAP full-length ORF ( NP_006604, 1 a.a. - 217 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | This gene encodes a member of the GRB2/Sem5/Drk family. This member 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. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 49.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MESVALYSFQATESDELA FNKGDTLKILNMEDDQNWYKAELRGVEGFIPKNYIRVKP<br>HPWYSGRISRQLAEIILMKRNHLGAFLIRESESSPGEFSSVSVNYGDQVQHFKVLREA<br>SGKYFLWEEKFNLSNELVDFYRTTTIAKKRQIFLRDEEPLLKSPGACFAQAQDFDSA<br>QDPSQLSFRRGDIIEVLERPDPHWWGRSCGRVGFFPRSYVQPVHL                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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### Protein Array

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

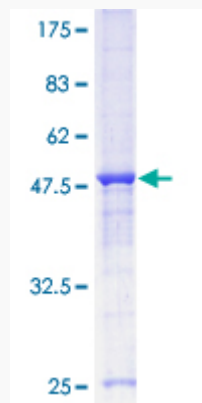
|                        |                                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|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

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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