

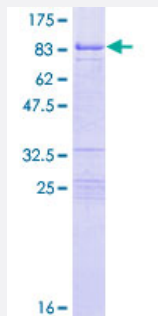
Full-Length

GRB10 (Human) Recombinant Protein (P01)

Catalog # H00002887-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GRB10 full-length ORF (NP_001001550.1, 1 a.a. - 536 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNASLESLSACSMQSDTVPLLQNGQHARSQPRASGPSPRSIQPVSPRQVRQSRQPVHILAVRR
LQEEDQQFRTSSSLPAIPNPFPELCGPGSPVLTGSLPPSQAQAAKQDVKFSEDTGTSKVVEILAD
MTARDLCQLLVYKSHCVDDNSWTLVEHHPHLGLERCLEDHELVVQVESTMASESFLFRKNYAK
YEFFKNPMNFFPEQMTWCQSQSNGSQTQLLQNFLNSSSCPEIQGFLHVKELGKKSWKLYVCL
RRSGLYCSTKGTSKEPRHLQLLADLEDSNIFSLIAGRQYNAPTDHGLCIKPNKVRNETKELRLCA
EDEQTRTCWMTAFRLKYGMMLLYQNYRIPQQRKALLSPFSTPVRVSSENSLVAMDFSGQTGRVIE
NPAAEQSAALEEGHAWRKRSTRMNILGSQSPLHPSTLSTVIHRTQHWFHGRISREESHRIKQQGL
VDGLFLLRDSQSNPKAFVLTLCCHQKIKNFQILPCEDDGQTFFSLDDGNTKFSDLIQLVDFYQLNK
GVLPCCLKHHICIRVAL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

87.2

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GRB10

Entrez GeneID[2887](#)**GeneBank Accession#**[NM_001001550.1](#)**Protein Accession#**[NP_001001550.1](#)**Gene Name**

GRB10

Gene Alias

GRB-IR, Grb-10, IRBP, KIAA0207, MEG1, RSS

Gene Description

growth factor receptor-bound protein 10

Omim ID[601523](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. Overexpression of some isoforms of the encoded protein inhibits tyrosine kinase activity and results in growth suppression. This gene is imprinted in a highly isoform- and tissue-specific manner. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations

GRB10 adaptor protein|insulin receptor-binding protein Grb-IR|maternally expressed gene 1

Disease

- [Birth Weight](#)
- [Diabetes Mellitus](#)
- [Overweight](#)