

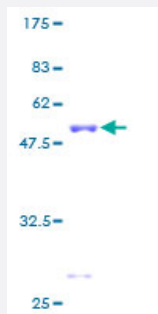
Full-Length

GRB2 (Human) Recombinant Protein (P01)

Catalog # H00002885-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GRB2 full-length ORF (AAH00631, 1 a.a. - 217 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MEAIKYDFKATADDELSFKRGDILKVLNEECDQNWYKAELNGKDGFIKPKNYEMKPHPWFFGKIP RAKAEEMLSKQRHDGAFLIRESESAPGDFSLSVKFGNDVQHFVLRDAGAGKYFLWVVKFNSLN ELVDYHRSTSVSRNQIFLRDIEQVPQQPTYVQALFDFDPQEDGELGFRRGDFIHVMDNSDPNW WKGACHGQTGMFPRNYVTPVNRNV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	49.61
Interspecies Antigen Sequence	Mouse (99); Rat (100)
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 — GRB2

Entrez GeneID [2885](#)

GeneBank Accession# [BC000631](#)

Protein Accession# [AAH00631](#)

Gene Name GRB2

Gene Alias ASH, EGFRBP-GRB2, Grb3-3, MST084, MSTP084

Gene Description growth factor receptor-bound protein 2

Omim ID [108355](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene binds the epidermal growth factor receptor and contains one SH2 domain and two SH3 domains. Its two SH3 domains direct complex formation with proline-rich regions of other proteins, and its SH2 domain binds tyrosine phosphorylated sequences. This gene is similar to the Sem5 gene of C.elegans, which is involved in the signal transduction pathway. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations HT027|OTTHUMP00000166096|OTTHUMP00000166097|OTTHUMP00000166098|abundant SRC homology|epidermal growth factor receptor-binding protein GRB2|growth factor receptor-bound protein 3

Publication Reference

- [Interplay between HGAL and Grb2 proteins regulates B-cell receptor signaling.](#)

Jiang X, Lu X, Zhang Y, Lacaria L, Schuchardt BJ, Mikles DC, Magistri M, García-Ramírez I, Sanchez-Garcia I, Farooq A, Verdun RE, Abdulreda MH, Moy VT, Lossos IS.

Blood Advances 2019 Aug; 3(15):2286.

Application: Func, PI, Recombinant proteins

Pathway

- [Acute myeloid leukemia](#)
- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Dorso-ventral axis formation](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Focal adhesion](#)
- [Gap junction](#)
- [Glioma](#)
- [GnRH signaling pathway](#)
- [Insulin signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [MAPK signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)

- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Renal cell carcinoma](#)
- [T cell receptor signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Tobacco Use Disorder](#)