

Recombinant Human GRB2, His-tagged

Cat. No. GRB2-28345TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GRB2, fused to His-tag at N-terminus; amino acids 1-217 , 27kDa.
Species	Human
Source	E.coli
ProteinLength	1-217 a.a.
Description	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.
Conjugation	HIS
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 30% Glycerol, 20mM Tris HCl, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

freeze / thaw cycles.

Sequences of amino acids

MGSSHHHHHH SSGLVPRGSH MEAIKYDFK ATADDELSFK RGDILKVLNE
 ECDQNWYKAE LNGKDGFIK NYIEMKPHPW FFGKIPRAKA EEMLSKQRHD
 GAFLIRESES APGDFSLSVK FGNDVQHFKV LRDGAGKYFL WVKFNSLNE
 LVDYHRSTSV SRNQQIFLRD IEQVPQQPTY VQALDFDPPQ EDGELGFRRG
 DFIHVMNSD PNWWKGACHG QTGMFPRNYV TPVNRNV

Sequence Similarities

Belongs to the GRB2/sem-5/DRK family. Contains 1 SH2 domain. Contains 2 SH3 domains.

Full Length

Full L.

GENE INFORMATION

Gene Name

[GRB2 growth factor receptor-bound protein 2 \[Homo sapiens \]](#)

Official Symbol

[GRB2](#)

Synonyms

GRB2; growth factor receptor-bound protein 2; NCKAP2;

Gene ID

[2885](#)

mRNA Refseq

[NM_002086](#)

Protein Refseq

[NP_002077](#)

MIM

[108355](#)

Uniprot ID

[P62993](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Chromosome Location	17q24-q25
Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Angiotensin receptor Tie2-mediated signaling, organism-specific biosystem;
Function	SH3/SH2 adaptor activity; ephrin receptor binding; epidermal growth factor receptor binding; insulin receptor substrate binding; phosphoprotein binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA