

Recombinant human GRB2 protein

Catalog Number: ATGP0286

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-217aa

UniProt No.

P62993

NCBI Accession No.

NP_002077.1

Alternative Names

Growth factor receptor-bound protein 2 isoform 1, Growth factor receptor-bound protein 2 isoform 1, ASH, EGFRBP-GRB2, GRB3-3, Growth factor receptor-bound protein 2 isoform 1 Abundant SRC homology, Adapter protein GRB2, Ash protein, EGFRBP GRB2, Epidermal growth factor receptor binding protein, Epidermal growth factor receptor binding protein GRB2, GRB 2, GRB2 adapter protein, Grb3 3, Growth factor receptor bound protein 2, Growth factor receptor bound protein 3, HT027, MST084, MSTP084, OTTHuMP00000166096, OTTHuMP00000166097, OTTHuMP00000166098, Protein ASH, SEM5, SH2/SH3 adapter GRB2.

PRODUCT SPECIFICATION

Molecular Weight

27 kDa (237aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Growth factor receptor-bound protein 2 also known as Grb2 is an adaptor protein that provides a critical link

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between cell surface growth factor receptors and the Ras signaling pathway. GRB2 is widely expressed and also binds the epidermal growth factor receptor and contains one SH2 domain and two SH3 domains. Grb2 is composed of an SH2 domain flanked on each side by an SH3 domain. Inhibition of Grb2 function impairs developmental processes in various organisms and blocks transformation and proliferation of various cell types. Recombinant human GRB2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

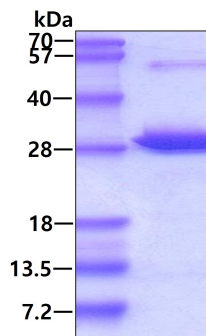
<MGSSHHHHHH SSGLVPRGSH> MEAIKYDFK ATADDELSFK RGDILKVLNE ECDQNWYKAE LNGKDGFIK
NYIEMKPHPW FFGKIPRAKA EEMLSKQRHD GAFLIRESES APGDFSLSVK FGNDVQHFKV LRDGAGKYFL WVKFNSLNE
LVDYHRSTSV SRNQQIFLRD IEQVPQQPTY VQALFDFDPQ EDGELGFRRG DFIHVMDNSD PNWWKGACHG QTGMFPRNYV
TPVNRNV

General References

Rudd CE., et al. (2009) Immunol Rev. 229(1):12-26.
Weisswange I., et al. (2009) Nature. 458(7234):87-91.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.