Datasheet for ABIN7318552

GRB2 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	GRB2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GRB2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human GRB2 Protein (His Tag)
Sequence:	Met 1-Val217
Characteristics:	Recombinant Human Growth Factor Receptor-Bound Protein 2 is produced by our E.coli expression system and the target gene encoding Met1-Val217 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	GRB2
Alternative Name:	GRB2 (GRB2 Products)
Background:	Background: As an adaptor protein, Growth Factor Receptor-Bound Protein 2 (GRB2) is involved in siganl transduction and consists of a central SH2 domain flanked by two SH3 domains.

Target Details

	GRB2 associates with activated Tyr-phosphorylated EGF receptor/EGFR and PDGF receptors via its SH2 domain, stimulating GTP binding to Ras, which in turn activates MAPK and other signaling pathway.It also associates to other cellular Tyr-phosphorylated proteins such as SIT1, IRS1, IRS4, SHC and LNK. probably via the concerted action of both its SH2 and SH3 domains. Synonym: Growth Factor Receptor-Bound Protein 2, Adapter Protein GRB2, Protein Ash, SH2/SH3 Adapter GRB2, GRB2, ASH
Molecular Weight:	26.3 kDa
UniProt:	P62993
Pathways:	RTK Signaling, TCR Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Regulation of Actin Filament Polymerization, Hepatitis C, Signaling Events mediated by VEGFR1 and VEGFR2, Signaling of Hepatocyte Growth Factor Receptor, EGFR Downregulation

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.