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GRB2 Human

Catalog #:PRPS-685

For research use only.

Description:GRB2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 237 amino acids (1-217 a.a.) and having a molecular mass of 27 kDa.GRB2 is expressed with a 20 amino acid His tag at N-Terminus andpurified by proprietary chromatographic techniques.

Synonyms:ASH, Grb3-3, MST084, MSTP084, EGFRBP-GRB2, GRB2, Growth factor receptor-bound protein 2, Adapter protein GRB2, SH2/SH3 adapter GRB2, Protein Ash.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MEAIAKYDFK ATADDELSFK RGDILKVLNE ECDQNWYKAE LNGKDGFIPK NYIEMKPHPW FFGKIPRAKA EEMLSKQRHD GAFLIRESES APGDFSLSVK FGNDVQHFKV LRDGAGKYFL WVVKFNSLNE LVDYHRSTSV SRNQQIFLRD IEQVPQQPTY VQALFDFDPQ EDGELGFRRG DFIHVMDNSD PNWWKGACHG QTGMFPRNYV TP

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
The GRB2 protein solution contains 20mM Tris-HCl, pH-8 and 30% glycerol.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
GRB2 is widely expressed and binds the EGFR and contains one SH2 domain and two SH3 domains which form a complex formation with proline-rich regions of other proteins, and its SH2 domain binds tyrosine phosphorylated sequences. GRB2 is related to the Sem5 gene of C.elegans, which is takes part in the signal transduction pathway. GRB2 is an adaptor protein that provides an important link between cell surface growth factor receptors and the Ras signaling pathway. Inhibition of GRB2 activity damages developmental processes in a variety of organisms and blocks transformation and proliferation of different cell types.

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