9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

GRB2 Human

Growth Factor Receptor-Bound Protein 2 Human Recombinant
RCP0964

Product Overview

Name	GRB2 Human

Description

Growth Factor Receptor-Bound Protein 2 Human Recombinant

Accession (Primary)	P62993

Synonyms

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

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.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

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.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MEAIAKYDFK ATADDELSFK RGDILKVLNE ECDQNWYKAE LNGKDGFIPK NYIEMKPHPW FFGKIPRAKA EEMLSKQRHD GAFLIRESES APGDFSLSVK FGNDVQHFKV LRDGAGKYFL

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WVVKFNSLNE LVDYHRSTSV SRNQQIFLRD IEQVPQQPTY VQALFDFDPQ EDGELGFRRG DFIHVMDNSD PNWWKGACHG QTGMFPRNYV TPVNRNV.

Precautions

GRB2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P62993)