

Recombinant Human GRB7 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GRB7-5680H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

GRB7 MS Standard C13 and N15-labeled recombinant protein (NP_001025173) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

The product of this gene belongs to a small family of adapter proteins that are known to interact with a number of receptor tyrosine kinases and signaling molecules. This gene encodes a growth factor receptor-binding protein that interacts with epidermal growth factor receptor (EGFR) and ephrin receptors. The protein plays a role in the integrin signaling pathway and cell migration by binding with focal adhesion kinase (FAK). Several transcript variants encoding two different isoforms have been found for this gene.

Molecular Mass

59.7 kDa

AA Sequence

MELDLSPPHLSSSPEDLCPAPGTPPGTTPRPPDTPLEEVKRSQPLLIPTTGRKLREE
 ERRATSLPSIPNPFPELCSPPSQSPILGGPSSARGLLPRDASRPHVVKVYSEDGACR
 SVEVAAGATARHVCMLVQRAHALSDETWGLVECHPHLALERGLDHESVVEVQA
 AWPVGGDSRFVFRKNFAKYELFKSSPHSLFPEKMOVSSCLDAHTGISHEDLIQNFLNA
 GSFPEIQGFLQLRGSGRKLWKRFFCFLRRSGLYYSTKGTSKDPRHLQYVADVNESN
 VYVVTQGRKLYGMPTDFGFCVKPNKLRNGHKGLRIFCSEDEQSRTCWLAARFLFKY

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GVQLYKNYQQAQSRHLHPSCLOGSPPLRSASDNTLVAMDFSGHAGRVIENPREALSV
 ALEEAQAWRKKTNHRLSLPMPASGTSLSAAIHRTLWLFHGRISREESQRLIGQQGL
 VDGLFLVRESQRNPQGFVLSLCHLQKVKHYLILPSEEEGRLYFSMDDGQTRFTDLLQ
 LVEFHQLNRGILPCLLRHCCTRVALTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [GRB7 growth factor receptor-bound protein 7 \[Homo sapiens \(human\) \]](#)

Official Symbol [GRB7](#)

Synonyms GRB7; growth factor receptor-bound protein 7; B47; GRB7 adapter protein; epidermal growth factor receptor GRB-7;

Gene ID [2886](#)

mRNA Refseq [NM_001030002](#)

Protein Refseq [NP_001025173](#)

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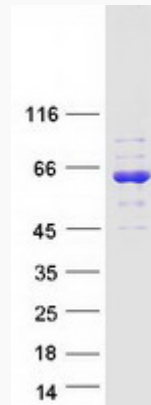
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MIM 601522

UniProt ID Q14451

SDS-PAGE



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