

Product datasheet for **TP316110M**

GRB 14 (GRB14) (NM_004490) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human growth factor receptor-bound protein 14 (GRB14), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC216110 protein sequence

Clone or AA Red=Cloning site Green=Tags(s)

Sequence:

MTTSLQDQGQSAASRAAARDSPPLAAQVCGAAQGRGDAHDLAPAPWLHARALLPLPDGTRGCAADRRKKKDL
DVPEMPSIPNPFPELCCSPFTSVLSADLFPKANSRKKQVIKVSSEDETSRALDVPDITARDVCQLLILK
NHYIDDHSWTLFEHLPHIGVERTIEDHELVIELSNWGIEENKLYFRKKNYAKYEFFKNPMYFFPEHMVS
FATETNGEISPTQILQMFLSSSTYPEIHGFLHAKEQGKKSWKIYFFLRRSGLYFSTKGTSKPRHLQFF
SEFGNSDIYVSLAGKKKHGAPTNYGFCFKPNKAGGPRDLKMLCAEEEQSRTCWVTAIRLLKYGMQLYQNY
MHPYQGRSGCSSQSISPMRSISENSLVAMDFSGQKSRVIENPTEALSVAVEEGLAWRKKGCLRLGTHGSP
TASSQSSATNMAIHRSPWFHFKISRDEAQRLLIQQLVDGVFLVRDSQSNPKTFVLSMSHGQKIKHFQI
IPVEDDGEMFHTLDDGHTRFTDLIQLVEFYQLNKGVLPCCLKHYCARIAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 60.8 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_004481](#)

Locus ID: 2888

UniProt ID: [Q14449](#)

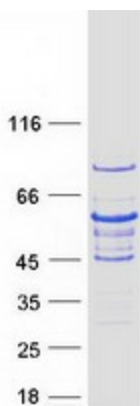
RefSeq Size: 2402

Cytogenetics: 2q24.3

RefSeq ORF: 1620

Summary: 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 insulin receptors and insulin-like growth-factor receptors. This protein likely has an inhibitory effect on receptor tyrosine kinase signaling and, in particular, on insulin receptor signaling. This gene may play a role in signaling pathways that regulate growth and metabolism. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]

Product images:



Coomassie blue staining of purified GRB14 protein (Cat# [TP316110]). The protein was produced from HEK293T cells transfected with GRB14 cDNA clone (Cat# [RC216110]) using MegaTran 2.0 (Cat# [TT210002]).