

Product datasheet for PH316110

GRB 14 (GRB14) (NM_004490) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GRB14 MS Standard C13 and N15-labeled recombinant protein (NP_004481)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216110
Predicted MW:	61 kDa
Protein Sequence:	>RC216110 protein sequence Red=Cloning site Green=Tags(s)

MTTSLQDQSAASRAAARDSPAAQVCGAAQGRGDAHDLAPAPWLHARALLPLPDGTRGCAADRRKKKDL
DVPMPSPINPFPELCCSPFTSVLSADLFPKANSRKKQVIKVYSEDETSRALDVPDITARDVCQLLILK
NHYIDHSWTLFEHLPHIGVERTIEDHELVEVLSNWGIEEENKLYFRKNYAKYEFFKNPMYFFPEHMVS
FATETNGEISPTQILQMFLSSSTYPEIHGFLHAKEQGKKSWKKIYFFLRRSGLYFSTKGTSTKEPRHLQFF
SEFGNSDIYVSLAGKKKHGAPTNYGFCFKPNKAGGPRDLKMLCAEEEQSRTCWVTAIRLLKYGMQLYQNY
MHPYQGRSGCSSQISPMRSISENSLVAMDFSGQKSRVIENPTEALSVAVEEGLAWRKKGCLRLGTHGSP
TASSQSSATNMAIHRSQPWFFHKISRDEAQRLLIIQQGLVDGVFLVRDSQSNPKTFVLSMSHGQKIKHFQI
IPVEDDGEMFHTLDDGHTRFTDLIQLVEFYQLNKGVLPCCLKHYCARIAL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004481
RefSeq Size:	2402
RefSeq ORF:	1620

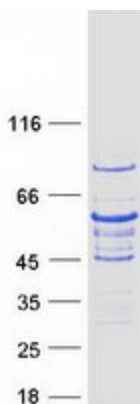


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Locus ID: 2888
UniProt ID: [Q14449](#)
Cytogenetics: 2q24.3

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]).