

Product datasheet for PH320822

GRB10 (NM_001001550) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GRB10 MS Standard C13 and N15-labeled recombinant protein (NP_001001550)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220822
Predicted MW:	60.8 kDa
Protein Sequence:	>RC220822 protein sequence Red=Cloning site Green=Tags(s)

MNASLESLYSACSMQSDTVPLLQNGQHARSQPRASGPPRSIQPVSPRQRVQRSQPVHILAVRRLQEEDQ
QFRTSSLPAIPNPFPELCPGSPVLPVTPGSLPPSQAAAKQDVKVFSEDTGTSKVVVEILADMTARDLCQLLV
YKSHCVDDNSWTLVEHHPHLGLERCLEDELVVQVESTMAESKFLFRKNYAKYEFFKNPMNFFPEQMVT
WCQQSNGSQTQLLQNFLNSSSCPEIQGFLHVKELGKKSWKLYVCLRRSGLYCSTKGTKEPRHLQLLAD
LEDNIFSLIAGRKYNAPTDHGLCIKPNKVRNETKELRLLCAEDEQTRTCWMTAFRLLYGMMLYQNYR
IPQQRKALLSPFSTPVRSVSENSLVAMDFSGQTGRVIENPAEAQSAALEEGHAWRKRSTRMNLGQSPL
HPSTLSTVIHRTQHWFHGRISREESHRIKQQLVDGLFLLRDSQSNPKAFVLTLCCHQKIKNFQILPCE
DDGQTFSLDDGNTKFSDLIQLVDFYQLNKGVLPCCLKHHCIRVAL

SGPTRTRPLEQKLI 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_001001550
RefSeq Size:	4793
RefSeq ORF:	1608



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Synonyms: Grb-10; GRB-IR; IRBP; MEG1; RSS

Locus ID: 2887

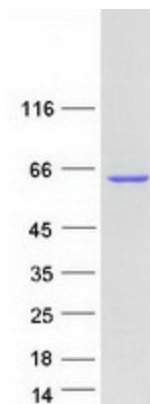
UniProt ID: [Q13322](#)

Cytogenetics: 7p12.1

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. Overexpression of some isoforms of the encoded protein inhibits tyrosine kinase activity and results in growth suppression. This gene is imprinted in a highly isoform- and tissue-specific manner, with expression observed from the paternal allele in the brain, and from the maternal allele in the placental trophoblasts. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Oct 2010]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified GRB10 protein (Cat# [TP320822]). The protein was produced from HEK293T cells transfected with GRB10 cDNA clone (Cat# [RC220822]) using MegaTran 2.0 (Cat# [TT210002]).