

# Recombinant Human GRB10 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** GRB10-4702H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | GRB10 MS Standard C13 and N15-labeled recombinant protein (NP_001001550) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 60.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MNASLESLSYACSMQSDTVPLLQNGQHARSQPRASGPPRSIQPVSPRQVRVQRSQ<br>PVHILAVRRLQEEDQQFRTSSLPAIPNPFPELCGPGSPVLTGSLPPSQAAAKQDV<br>KVFSEDGTSKVVEILADMTARDLCQLLVYKSHCVDDNSWTLVEHHPHLGLERCLED<br>HELVVQVESTMASESKFLFRKNYAKYEFFKNPMNFFPEQMTWCQQSNGSQTQLL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QNFLNSSSCPEIQGFLHVKELGKKSWKKLYVCLRRSGLYCSTKGTSKEPRHLQLLA  
 DLEDNIFSLIAGRKQYNAPTDHGLCIKPNKVRNETKELRLLCAEDEQTRTCWMTAF  
 RLLKYGMLLYQNYRIPQQRKALLSPFSTPVRVSVSENSLVAMDFSGQTGRVIENPAEA  
 QSAALEEGHAWRKSTRMNILGSQSPLHPSTLSTVIHRTQHWFHGRISREESHRIIK  
 QQGLVDGLFLLRDSQSNPKAFVLTLCCHQKIKNFQILPCEDDGQTFFSLDDGNTKFS  
 DLIQLVDFYQLNKGVLPCCLKHHHCIRVALSGPTRTRPLEQKLISEEDLAANDILDYKDD  
 DDKV

**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** GRB10 growth factor receptor-bound protein 10 [ Homo sapiens (human) ]

**Official Symbol** GRB10

**Synonyms** GRB10; growth factor receptor-bound protein 10; GRB10 adapter protein; GRB10 adaptor protein; maternally expressed gene 1; insulin receptor-binding protein Grb-IR; RSS; IRBP; MEG1; GRB-IR; Grb-10; KIAA0207;

**Gene ID** 2887

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

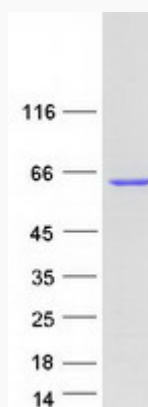
mRNA Refseq [NM\\_001001550](#)

Protein Refseq [NP\\_001001550](#)

MIM [601523](#)

UniProt ID [Q13322](#)

SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA