

Recombinant Human GRB10, GST-tagged

Cat. No. GRB10-1856H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human GRB10 protein(637-926) with N-terminal GST tag was expressed in <i>E.coli</i> expression system, MW=60.3 kDa.
Species	Human
Source	E.coli
ProteinLength	637-926 a.a.
Description	Growth factor receptor-bound protein 10 is a protein that in humans is encoded by the GRB10 gene. 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.
Purity	90%.
Formulation	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 20% glycerol, and 3 mM DTT.
Specific Activity	4.6 U/ug. One unit will hydrolyze 1 nmol p-nitrophenyl phosphate per minute at pH 7.4 and 37°C. Assay buffer: 50 mM HEPES, pH 7.4, 2 mM EDTA, 3 mM DTT, 100 mM NaCl, 50 mM pNPP.
Application	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

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Storage >6 months at –80°C.

GENE INFORMATION

Gene Name GRB10 growth factor receptor-bound protein 10 [Homo sapiens]

Synonyms growth factor receptor-bound protein 10; RSS; IRBP; MEG1; GRB-IR; Grb-10; KIAA0207; GRB10; OTTHUMP00000197989; OTTHUMP00000197994; OTTHUMP00000197993; OTTHUMP00000197990; GRBIR; OTTHUMP00000197991; GRB10 adaptor protein; maternally expressed gene 1; insulin receptor-binding protein Grb-IR

Gene ID 2887

mRNA Refseq NM_001001549

Protein Refseq NP_001001549

MIM 601523

UniProt ID Q13322

Chromosome Location 7p12-p11.2

Function SH3/SH2 adaptor activity; insulin receptor binding; protein binding

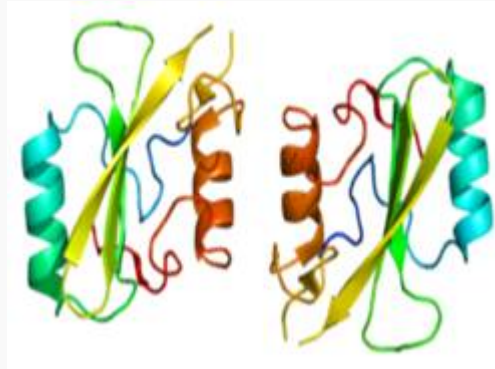
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