Recombinant Human GRB10, GST-tagged

Cat. No. GRB10-13518H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GRB10 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-80a.a.
Description	The protein encoded by this gene localizes to the inner mitochondrial membrane and catalyzes the conversion of glycerol-3-phosphate to dihydroxyacetone phosphate, using FAD as a cofactor. Along with GDP1, the encoded protein constitutes the glycerol phosphate shuttle, which reoxidizes NADH formed during glycolysis. Two transcript variants encoding the same protein have been found for this gene.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

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

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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
mRNA Refseq	NM_001001549
Protein Refseq	NP_001001549
MIM	601523
UniProt ID	Q13322
Chromosome Location	7p12.2
Pathway	EGFR1 Signaling Pathway, organism-specific biosystem; IGF1 pathway, organism-specific biosystem; Insulin Pathway, organism-specific biosystem; Insulin Signaling, organism-specific biosystem; Insulin receptor signalling cascade, organism-specific biosystem; Kit Receptor Signaling Pathway, organism-specific biosystem; PDGFR-beta signaling pathway, organism-specific biosystem;
Function	SH3/SH2 adaptor activity; insulin receptor binding; protein binding;

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