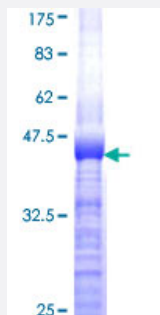


IRS4 (Human) Recombinant Protein (Q01)

Catalog # H00008471-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human IRS4 partial ORF (NP_003595, 850 a.a. - 950 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DPKDAASKPSGEGSFSKPGDGGSPSKPSDHEPPKNKAKRPNRLSFITKGYKIKPKPQKP THEQR EADSSSDYVNMDFTKRESNTPAPSTQGLPDSWGIIAE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.85
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — IRS4

Entrez GeneID [8471](#)

GeneBank Accession# [NM_003604](#)

Protein Accession# [NP_003595](#)

Gene Name IRS4

Gene Alias IRS-4, PY160

Gene Description insulin receptor substrate 4

Omim ID [603510](#)

Gene Ontology [Hyperlink](#)

Gene Summary IRS4 encodes the insulin receptor substrate 4, a cytoplasmic protein that contains many potential tyrosine and serine/threonine phosphorylation sites. Tyrosine-phosphorylated IRS4 protein has been shown to associate with cytoplasmic signalling molecules that contain SH2 domains. The IRS4 protein is phosphorylated by the insulin receptor tyrosine kinase upon receptor stimulation.. [provided by RefSeq]

Other Designations OTTHUMP00000023837

Pathway

- [Adipocytokine signaling pathway](#)
- [Insulin signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Type II diabetes mellitus](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Pancreatic Neoplasms](#)