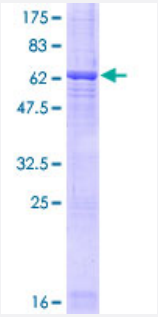
Full-Length

LRG1 (Human) Recombinant Protein (P01)

Catalog # H00116844-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human LRG1 full-length ORF (AAH34389, 37 a.a. - 347 a.a.) recombinant protein with GST-tag at N -terminal.
Sequence	TLSPKDCQVFRPDHGSSISCQPPAEIPGYLPADTVHLAVEFFNLTHLPANLLQGASKLQELHLSSN GLESLSPEFLRPVPQLRVLDLTRNALTGLPSGLFQASATLDTLVLKENQLEVLEVSWLHGLKALG HLDLSGNRLRKLPPGLLANFTLLRTLDLGENQLETLPPDLLRGPLQLERLHLEGNKLQVLGKDLLL PQPDLRYLFLNGNKLARVAAGAFQGLRQLDMLDLSNNSLASVPEGLWASLGQPNWDMRDGFDI SGNPWICDQNLSDLYRWLQAQRDKMFSQNDTRCAGPEAVKGQTLLAVAKSQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	59.95
Interspecies Antigen Sequence	Mouse (66); Rat (64)
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.

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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 — LRG1

Entrez GeneID	116844
GeneBank Accession#	BC034389
Protein Accession#	AAH34389
Gene Name	LRG1
Gene Alias	HMFT1766, LRG
Gene Description	leucine-rich alpha-2-glycoprotein 1
Omim ID	611289
Gene Ontology	Hyperlink
Gene Summary	The leucine-rich repeat (LRR) family of proteins, including LRG1, have been shown to be involved in protein-protein interaction, signal transduction, and cell adhesion and development. LRG1 is ex pressed during granulocyte differentiation (O'Donnell et al., 2002 [PubMed 12223515]).[supplied by OMIM
Other Designations	1300008B03Rik|2310031E04Rik|leucine rich alpha 2 glycoprotein

Publication Reference

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- Type 1 Diabetes: Urinary Proteomics and Protein Network Analysis Support Perturbation of Lysosomal Function.

  Singh H, Yu Y, Suh MJ, Torralba MG, Stenzel RD, Tovchigrechko A, Thovarai V, Harkins DM, Rajagopala SV, Osborne W, Cogen FR, Kaplowitz PB, Nelson KE, Madupu R, Pieper R.

  Theranostics 2017 Jul; 7(10):2704.

  Application: PI, WB-Re, Recombinant protein

- A PGC1-α-dependent myokine that drives brown-fat-like development of white fat and thermogenesis.

  Boström P, Wu J, Jedrychowski MP, Korde A, Ye L, Lo JC, Rasbach KA, Boström EA, Choi JH, Long JZ, Kajimura S, Zingaretti MC, Vind BF, Tu H, Cinti S, Højlund K, Gygi SP, Spiegelman BM.

  Nature 2012 Jan; 481(7382):463.

  Application: Treatment, Mouse, SVF cells

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