

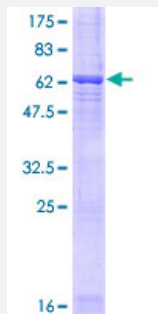
Full-Length

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
GLESLSPEFLRPVQRLVDLTRNALTGLPSGLFQASATLDTLVKENQLEVLEVSWLHGLKALG
HLDLSGNRLRKLPPGLLANFTLLRTLDTLGENQLETLPDLLRGPLQLERLHLEGNKLQVLGKDLLL
PQPDLRYLFLNGNKLARVAAGAFQGLRQLDMLDLSNNSLASVPEGLWASLGQPNWDMRDGFDI
SGNPWICDQNLSDLYRWLQAQRDKMFSQNDTRCAGPEAVKGQTLAVAKSQ

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.

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 expressed during granulocyte differentiation (O'Donnell et al., 2002 [PubMed 12223515]).[supplied by OMIM]

Other Designations

1300008B03Rik|2310031E04Rik|leucine rich alpha 2 glycoprotein

Publication Reference

- [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- \$\alpha\$ -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