

Native Human LRG1

Cat. No. LRG1-3684H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The Human LRG1 produced from human pooled serum has a molecular mass of 34.35kDa (calculated without glycosylation) containing 312 amino acid residues.
Species	Human
Source	Human Serum
Description	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.
Form	LRG1 protein filtered (0.4µm) and lyophilized from 20mM Tris and 20mM NaCl, pH 8.
Molecular Mass	34.35kDa
AA Sequence	VTLSPKDCQV FRSDHGSSIS CQPPAEIPGY LPADTVHLAV EFFNLTHLPA NLLQGASKLQ ELHLSSNGLE SLSPEFLRPV PQLRVLDLTR NALTGLPPGL FQASATLDTL VLKENQLEVL EVSWLHGLKA LGHLDLSGNR LRLPPGLLA NFTLLRTL DL GENQLETLPD DLLRGPLQLE RLHLEGKQLQ VLGKDLLLPQ PDLRYLFLNG NKLARVAAGA FQGLRQLDML DLSNNSLASVPEGLWASLGQ PNWDMRDGFD ISGNPWICDQ NLSDLRWLQ AQKDKMFSQN DTRCAGPEAV KGQTLLAVAK SQ.
Quality Control Test	Human Virus Test: Blood samples from each donor have been tested and found negative for HBsAg, anti-HCV, HIV Ag/Ab, and syphilis.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Reconstitution	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

GENE INFORMATION

Gene Name	LRG1 leucine-rich alpha-2-glycoprotein 1 [Homo sapiens (human)]
Official Symbol	LRG1
Synonyms	LRG1; leucine-rich alpha-2-glycoprotein 1; leucine-rich alpha-2-glycoprotein; leucine rich alpha 2 glycoprotein; LRG; 1300008B03Rik; 2310031E04Rik; HMFT1766; FLJ45787
Gene ID	116844
mRNA Refseq	NM_052972
Protein Refseq	NP_443204
MIM	611289
UniProt ID	P02750
Chromosome Location	19p13.3

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Function	molecular_function; transforming growth factor beta receptor binding
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