

Recombinant Human Leucine Rich Repeat Containing 32, Fc Chimera

Cat. No. LRRC32-2158H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LRRC32 (aa 20-627) produced in <i>CHO</i> cells fused to the Fc portion of human IgG1.
Species	Human
Source	CHO
ProteinLength	20-627 a.a.
Description	A leucine-rich repeat (LRR) is a protein structural motif that forms an α/β horseshoe fold.[1][2] It is composed of repeating 20-30 amino acid stretches that are unusually rich in the hydrophobic amino acid leucine. Typically, each repeat unit has beta strand-turn-alpha helix structure, and the assembled domain, composed of many such repeats, has a horseshoe shape with an interior parallel beta sheet and an exterior array of helices. One face of the beta sheet and one side of the helix array are exposed to solvent and are therefore dominated by hydrophilic residues. The region between the helices and sheets is the protein's hydrophobic core and is tightly sterically packed with leucine residues. Leucine-rich repeats are frequently involved in the formation of protein-protein interactions.
Purity	≥90% (SDS-PAGE).
Formulation	Lyophilized. Contains PBS.

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Concentration	1mg/ml (after reconstitution).
Reconstitution	Reconstitute with 50µl sterile water. Further dilutions should be made with medium containing 5% fetal calf serum or a carrier protein.
Endotoxin Content	<0.1EU/g purified protein (LAL test; BioWhittaker).
Stability	Stable for at least 6 months after receipt when stored at -20°C.

GENE INFORMATION

Gene Name	LRRC32 leucine rich repeat containing 32 [Homo sapiens]
Synonyms	LRRC32; leucine rich repeat containing 32; GARP; D11S833E; leucine-rich repeat-containing protein 32; garpin; glycoprotein A repetitions predominant; OTTHUMP00000200860; GARP protein
Gene ID	2615
mRNA Refseq	NM_001128922
Protein Refseq	NP_001122394
MIM	137207
UniProt ID	Q14392
Chromosome Location	11q13.5-q14
Function	protein binding

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