

Recombinant Mouse Lrrc32 Protein, Myc/DDK-tagged

Cat. No. Lrrc32-3829M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length leucine rich repeat containing 32 (Lrrc32), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Key regulator of transforming growth factor beta (TGFB1, TGFB2 and TGFB3) that controls TGF-beta activation by maintaining it in a latent state during storage in extracellular space. Associates specifically via disulfide bonds with the Latency-associated peptide (LAP), which is the regulatory chain of TGF-beta, and regulates integrin-dependent activation of TGF-beta. Able to outcompete LTBP1 for binding to LAP regulatory chain of TGF-beta. Controls activation of TGF-beta-1 (TGFB1) on the surface of activated regulatory T-cells (Tregs). Required for epithelial fusion during palate development by regulating activation of TGF-beta-3 (TGFB3).
Molecular Mass	72.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

 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

Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Lrrc32 leucine rich repeat containing 32 [Mus musculus (house mouse)]
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Official Symbol	Lrrc32
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Synonyms	LRRC32; leucine rich repeat containing 32; glycoprotein A repetitions predominant; Garp; AI426318; EG434215; D11S833Eh; D7H11S833E
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Gene ID	434215
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mRNA Refseq	NM_001113379
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Protein Refseq	NP_001106850
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UniProt ID	G3XA59
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