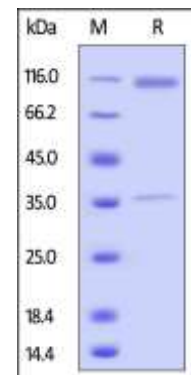


## Human CellExp™ LRRC32 / GARP, Fc Tag Human Recombinant

<b>CATALOG NO:</b>	P1207-10	10 µg
	P1207-50	50 µg
<b>ALTERNATE NAMES:</b>	GARP, Garpin, D11S833E, Glycoprotein A repetitions predominant	
<b>SOURCE:</b>	HEK 293 cells (His 20 - Asn 627)	
<b>PURITY:</b>	> 95% by SDS – PAGE	
<b>MOL. WEIGHT:</b>	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 92.6 kDa. The protein migrates as 35 kDa and 100-116 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation	
<b>ENDOTOXIN LEVEL:</b>	< 1.0 EU per 1µg of protein (determined by LAL method)	
<b>FORM:</b>	Lyophilized	
<b>FORMULATION:</b>	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5. Normally trehalose is added as protectant before lyophilization.	
<b>STORAGE CONDITIONS:</b>	Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.	
<b>RECONSTITUTION:</b>	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex. This solution can be stored at 2-8°C for up to 1 month.	
<b>DESCRIPTION:</b>	Leucine-rich repeat protein 32 (LRRC32), also known as GARP (glycoprotein A repetitions predominant). LRRC32 expression promotes the acquisition of a Treg phenotype including reduced cellular proliferation, reduced cytokine secretion, and the capacity to suppress the proliferation of naïve T cells. LRRC32 binds directly to the TGF-beta latency associated peptide (LAP) and tethers latent TGF-beta on the surface of activated Treg cells. The presentation of TGF-beta on Tregs contributes to their ability to suppress naïve T cell proliferation.	
<b>SPECIFIC ACTIVITY:</b>	Immobilized Latent TGFB1, N-His at 5 µg/mL (100 µL/well) can bind Human LRRC32, Fc Tag with a linear range of 0.039-2.5 µg/mL	

A



B



Fig. A. Human LRRC32, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue.

Fig. B. Immobilized Latent TGFB1, N-His at 5 µg/mL (100 µL/well) can bind Human LRRC32, Fc Tag with a linear range of 0.039-2.5 µg/mL.

### RELATED PRODUCT:

- Human CellExp™ TNFRSF10B /TRAILR2, human recombinant (Cat. No. 7448-10)
- Human CellExp™ CD155, human recombinant (Cat. No. 7462-10, -50)
- Human CellExp™ CD160/BY55, human recombinant (Cat. No. 7386-10, -50)
- Human CellExp™ CD166/ ALCAM, human recombinant (Cat. No. 7437-10, -50)
- Human CellExp™ CD172A / SIRP, human recombinant (Cat. No. 7506-10, -50)
- Human CellExp™ CD33 / SIGLEC-3, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD47, human recombinant (Cat. No. 7385-10, -50)
- Human CellExp™ CD55/DAF, human recombinant (Cat. No. 7432-10, -50)
- Human CellExp™ CD58 /LFA-3, human recombinant (Cat. No. 7427-10, -50)
- Human CellExp™ CD62E/E-Selectin, human recombinant (Cat. No. 7434-20, -100)
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87, human recombinant (Cat. No. 7372-20, -100)

**FOR RESEARCH USE ONLY! Not to be used on humans.**