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# LRRC32 Protein (partial) (Fc Tag)



#### Overview

Quantity:	100 μg
Target:	LRRC32
Protein Characteristics:	partial
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LRRC32 protein is labelled with Fc Tag.
Application:	Western Blotting (WB), ELISA

#### **Product Details**

Sequence:	His 20 - Asn 627
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Endotoxin level is less than 1.0 EU per ug by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Latent TGFB1, N-His at $5\mu$ g/mL (100 uL/well) can bind Human LRRC32, Fc Tag with a linear range of 0.039-2.5 $\mu$ g/mL (QC tested).

## Target Details

Target:	LRRC32

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Alternative Name:	LRRC32 (LRRC32 Products)
Background:	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 naive 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 naive T cell proliferation.
Molecular Weight:	92.6 kDa
Gene ID:	2615
Pathways:	Activated T Cell Proliferation
Application Details	
Application Notes:	This recombinant protein can be used for E, WB.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Buffer:	50 mM Tris, 100 mM Glycine, pH 7.5
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C,-80 °C
Storage Comment:	Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon

reconstitution, working aliquots should be stored at -20°C or -70°C.