

LRRC32 Protein, Human, Recombinant (hFc)

General Information

Synonyms:	D11S833E;GARPGarpin;GARP;Garpin
Protein Construction:	His20-Asn627
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q14392
Molecular Weight:	110 KDa (reducing condition)
AA Sequence:	His20-Asn627

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Leucine Rich Repeat Containing 32 (LRRC32), also known as Glycoprotein A Reiterations Predominant (GARP), has been postulated as a novel surface marker of activated T(regs). 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. LRRC32 is widely expressed during embryogenesis and on adult platelets. Human LRRC32 is identified as a lineage specific key receptor for

human T cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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