Recombinant Human LRRC32/GARP (C-Fc)

Catalog Number: PKSH033979

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

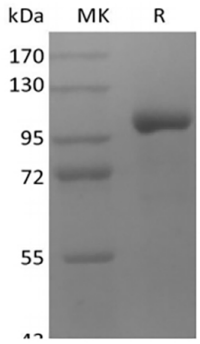
Description

Species	Human
Source	HEK293 Cells-derived Human LRRC32;GARP protein His20-Asn627, with an C-terminal Fc
Calculated MW	92.9 kDa
Observed MW	110 kDa
Accession	Q14392
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

LRRC32 (Leucine-Rich Repeat Containing 32) is a Protein Coding gene. This gene encodes a type I membrane protein which contains 20 leucine-rich repeats. LRRC32, also known as Glycoprotein A Repetitions Predominant (GARP), has been postulated as a novel surface marker of activated T(regs). LRRC32 is a T(reg)-specific receptor that binds latent TGF-beta and dominantly controls FOXP3 and the regulatory phenotype via a positive feedback loop. It belongs to the LRRC32/LRRC33 family and is broadly expressed in the placenta, lung, and other tissues. Alterations in the chromosomal region 11q13-11q14 are involved in several pathologies. An important paralog of this gene is NRROS.