Human SIGIRR Protein

Cat. No. SGR-HM201

Description

Source	Recombinant Human SIGIRR Protein is expressed from HEK293 with hFc tag at the C-terminus.
	It contains Met1-His118.
Accession	Q6IA17-1
Molecular Weight	The protein has a predicted MW of 39.29 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

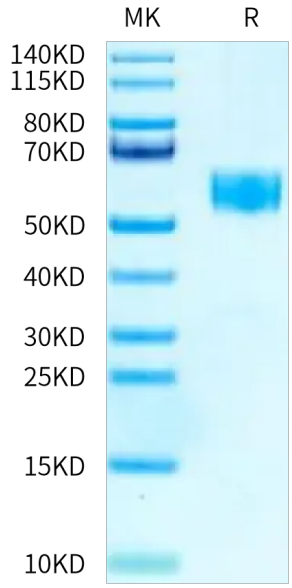
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

TIR8, also known as single Ig IL-1-related receptor, is a member of the IL-1 receptor/Toll-like receptor (TLR) superfamily, which acts as an intracellular decoy for components of the signaling pathway. Structurally, it is characterized by a single extracellular Ig domain, an intracellular TIR domain and 95-aa cytoplasmic tail. Recently, TIR8 was shown to inhibit NF-B activation by members of the IL-1/TLR family. The inhibitory activity of TIR8 was associated with trapping of TRAF6 and IRAK1.

Assay Data

Bis-Tris PAGE



Human SIGIRR on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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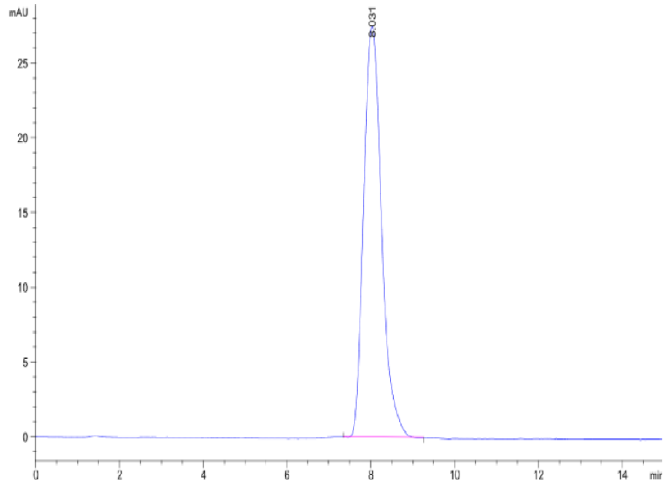
Assay Data



The purity of Human SIGIRR is greater than 95% as determined by SEC-HPLC.