

Human LSR Protein, Ultra Low Endotoxin

Cat. No. LSR-HM101-UL

Description

Source	Recombinant Human LSR Protein is expressed from HEK293 with His tag at the C-terminus. It contains Pro22-Asp259.
Accession	Q86X29-1
Molecular Weight	The protein has a predicted MW of 27.41 kDa. Due to glycosylation, the protein migrates to 15-25 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

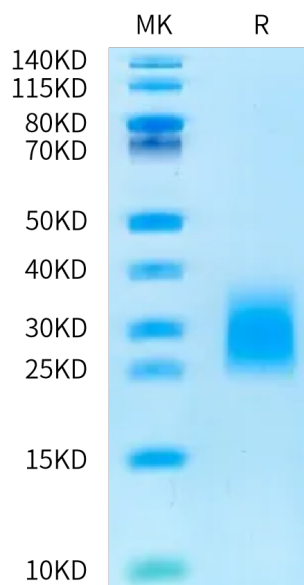
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

Lipolysis-stimulated lipoprotein receptor (LSR) has been identified as a novel molecular constituent of tricellular contacts that have a barrier function for the cellular sheet. LSR recruits tricellulin (TRIC), which is the first molecular component of tricellular tight junctions. Knockdown of LSR increases cell motility and invasion of certain cancer cells.

Assay Data

Bis-Tris PAGE



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