Human Musk (muscle, skeletal receptor tyrosine-protein kinase) Protein

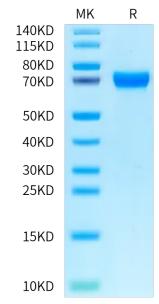




Description	
Source	Recombinant Human Musk (muscle, skeletal receptor tyrosine-protein kinase) Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Leu24-Thr495.
Accession	O15146-1
Molecular Weight	The protein has a predicted MW of 53.46 kDa. Due to glycosylation, the protein migrates to 65-75 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 receipt80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Background	
	MuSK (muscle-specific kinase) is a receptor tyrosine kinase that plays a central signaling role in the formation of neuromuscular junctions (NMJs). MuSK is activated in a complex spatio-temporal manner to cluster acetylcholine receptors on the postsynaptic (muscle) side of the synapse and to induce differentiation of the nerve terminal on the presynaptic side.

Assay Data

Bis-Tris PAGE



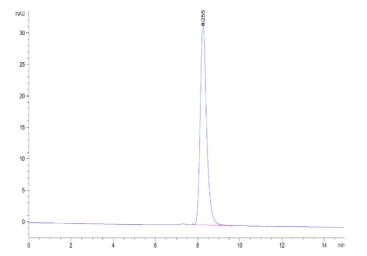
Human Musk (muscle, skeletal receptor tyrosineprotein kinase) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Cat. No. MUK-HM101



Assay Data



The purity of Human Musk (muscle, skeletal receptor tyrosine-protein kinase) is greater than 95% as determined by SEC-HPLC.