

Mouse PSAP/Prosaposin Protein

Cat. No. PSP-MM001

Description

Source	Recombinant Mouse PSAP/Prosaposin Protein is expressed from HEK293 with His tag at the C-terminus. It contains Ser17-Asn557.
Accession	Q61207
Molecular Weight	The protein has a predicted MW of 60.86 kDa. Due to glycosylation, the protein migrates to 65-80 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

Formulation and Storage

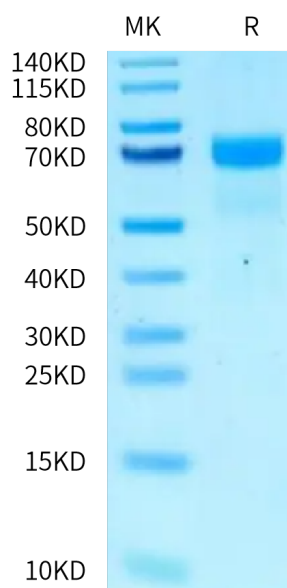
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized 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

Prosaposin (also known as SGP-1) is an intriguing multifunctional protein that plays roles both intracellularly, as a regulator of lysosomal enzyme function, and extracellularly, as a secreted factor with neuroprotective and glioprotective effects.

Assay Data

Bis-Tris PAGE



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