

Mouse Hyaluronidase 2/HYAL2 Protein

Cat. No. HYA-MM101

Description

Source	Recombinant Mouse Hyaluronidase 2/HYAL2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Leu23-Asn448.
Accession	O35632
Molecular Weight	The protein has a predicted MW of 49.87 kDa. Due to glycosylation, the protein migrates to 52-68 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

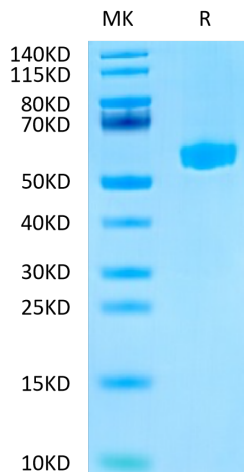
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Hyaluronidases, a family of enzymes that are able to degrade hyaluronic acid (HA), are employed in medicine to increase drug diffusion and reverse the effects of HA filler injections. Hyaluronidases are able to dissolve subcutaneous nodules or to correct excessive quantities of injected filler. Upregulation of hyaluronidase 2 (HYAL2), one of somatic hyaluronidase (HAase), was demonstrated in granulation tissue during the healing of equine superficial digital flexor tendon injuries.

Assay Data

Tris-Bis PAGE



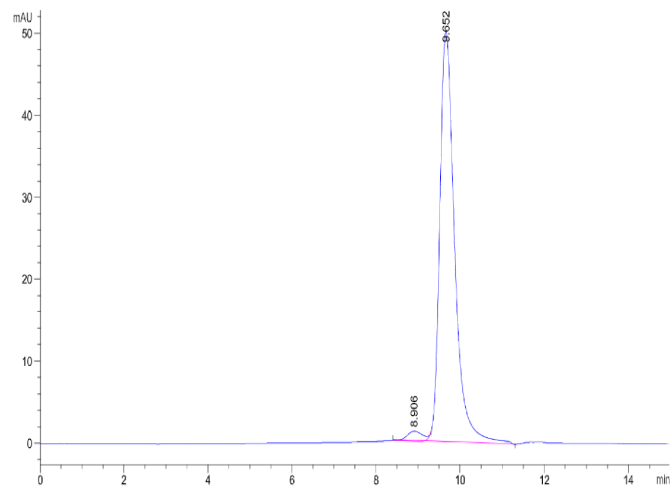
Mouse Hyaluronidase 2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Mouse Hyaluronidase 2/HYAL2 Protein

Cat. No. HYA-MM101

Assay Data



The purity of Mouse Hyaluronidase 2 is greater than 95% as determined by SEC-HPLC.