

Human Hyaluronidase 2/HYAL2 Protein

Cat. No. HYA-HM101

Description

Source	Recombinant Human Hyaluronidase 2/HYAL2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Met21-Gly447.
Accession	Q12891
Molecular Weight	The protein has a predicted MW of 49.22 kDa. Due to glycosylation, the protein migrates to 50-60 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

Formulation and Storage

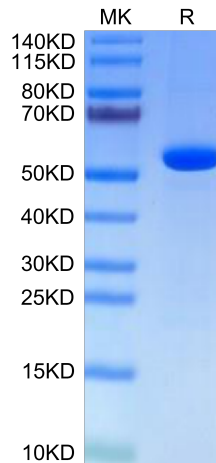
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months 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



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