Human Hyaluronidase 2/HYAL2 Protein, Ultra Low Endotoxin

Cat. No. HYA-HM101-UL

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 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

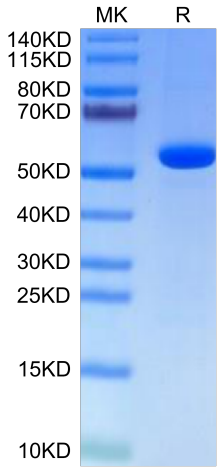
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for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

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

Bis-Tris PAGE



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