Recombinant Human Hyaluronidase-1/HYAL1 Protein (His Tag)

Catalog Number:PKSH032552

Note: Centrifuge before opening to ensure complete recovery of vial contents.

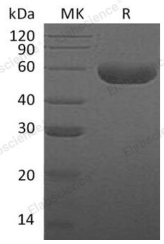
Description

Synonyms	Hyaluronidase-1;Hyal-1;Hyaluronoglucosaminidase-1;Lung Carcinoma Protein 1;LuCa-1;HYAL1;LUCA1
Species	Human
Expression Host	HEK293 Cells
Sequence	Phe22-Trp435
Accession	Q12794
Calculated Molecular Weight	47.2 kDa
Observed molecular weight	50-65 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 7.5.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Hyaluronidase-1 (HYAL1) is a secreted lysosomal hyaluronidase that belongs to the glycosyl hydrolase 56 family. HYAL1 contains one EGF-like domain and is highly expressed in the liver, kidney, and heart, but it is weakly expressed in the lung, placenta, and skeletal muscle. HYAL1 is thought to be involved in cell proliferation, migration, and differentiation. It may play a role in promoting tumor progression and blocking the TGFB1-enhanced cell growth. Mutations in HYAL1 are associated with mucopolysaccharidosis type IX, or hyaluronidase deficiency.

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