

[Go to Product page](#)

Datasheet for ABIN2115435

HYAL1 Protein (AA 22-435) (His tag)

Overview

Quantity:	50 µg
Target:	HYAL1
Protein Characteristics:	AA 22-435
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HYAL1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Hyaluronidase-1/HYAL1 (C-6His)
Sequence:	FRGPLLPNRP FTTVWNANTQ WCLERHGV DVSVFDVVAN PGQTFRGPDM TIFYSSQLGT YPPYTPTGEP VFGGLPQNAS LIAHLARTFQ DILAAIPAPD FSGLAVIDWE AWRPRWAFNW DTKDIYRQRS RALVQAQHPD WPAPQVEAVA QDQFQGAARA WMAGTLQLGR ALRPRGLWGF YGFPCYNYD FLSPNYTGQC PSGIRAQNDQ LGWLWGQSRA LYPSIYMPAV LEGTGKSQMY VQHRVAEAFR VAVAAGDPNL PVLPHYVQIFY DTTNHFLPLD ELEHSLGESA AQGAAGVVLW VSWENTRTKE SCQAIKEYMD TTLGPFILNV TSGALLCSQA LCSGHGRCVR RTSHPKALLL LNPASFISQL TPGGGPLSLR GALSLEDQAQ MAVFEKCR CY PGWQAPWCER KSMWVDHHHH HH
Characteristics:	Recombinant Human Hyaluronidase-1/HYAL1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Phe22-Trp435) of Human HYAL1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	HYAL1
Alternative Name:	Hyaluronidase-1/HYAL1 (HYAL1 Products)
Background:	<p>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 TGFβ1-enhanced cell growth. Mutations in HYAL1 are associated with mucopolysaccharidosis type IX, or hyaluronidase deficiency.</p> <p>Synonyms: Hyaluronidase-1, Hyal-1, Hyaluronoglucosaminidase-1, Lung Carcinoma Protein 1, LuCa-1, HYAL1, LUCA1</p>
Molecular Weight:	47.18 kDa
UniProt:	Q12794
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 10 % Glycerol, pH 7.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>

Handling

Expiry Date: 6 months