

Datasheet for ABIN7596385

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



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Overview

Quantity:	250 µg
Target:	HYAL1
Protein Characteristics:	AA 22-435
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HYAL1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	FRGPLLPNRP FTTVWNANTQ WCLERHGVDV DVSVFDVVAN PGQTFRGPDM TIFYSSQLGT YPPYTPTGEP VFGGLPQNAS LIAHLARTFQ DILAAIPAPD FSLAVIDWE AWRPRWAFNW DTKDIYRQRS RALVQAQHPD WPAPQVEAVA QDQFQGAARA WMAGTLQLGR ALRPRGLWGF YGFPCYNYD FLSPNYTGQC PSGIRAQNDQ LGWLWGQSRA LYPSIYMPAV LEGTGKSQMY VQHRVAEAFR VAVAAGDPNL PVLPHYQIFY DTTNHFLPLD ELEHSLGESA AQGAAGVVLW VSWENTRTKE SCQAIKEYMD TTLGPFILNV TSGALLCSQA LCGHGRGCVR RTSHPKALLL LNPASFISQL TPGGGPLSLR GALSLEDQAQ MAVFEKCRCY PGWQAPWCER KSMW
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

Target Details

Target:	HYAL1
Alternative Name:	Hyaluronidase 1/HYAL1 (HYAL1 Products)
Background:	<p>HYAL1, also known as Hyaluronidase-1, is a member of the endolytic glycoside hydrolase family. Human hyaluronidases (HYALs) are a group of five endo-β-N-acetyl-hexosaminidases that include HYAL1, HYAL2, HYAL3, HYAL4, and SPAM1 (PH20). HYAL1 preferentially degrades hyaluronic acid present in the extracellular matrix of somatic tissues. This protein is active at an acidic pH and is the major hyaluronidase in plasma. Defects in HYAL1 are associated with mucopolysaccharidosis type IX, or hyaluronidase deficiency. It is implicated in several types of cancers, likely due to the angiogenic effects of HYAL1-cleaved hyaluronan fragments.</p> <p>Recombinant human HYAL1, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	46.9kDa (420aa)
NCBI Accession:	NP_149349
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.