Recombinant Human HYAL1 protein, His-tagged

Cat. No. HYAL1-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HYAL1(Phe22-Trp435) fused with His tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	22-435 a.a.
Description	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.
Form	Supplied as a 0.2 μm filtered solution of 20mM TrisHCl, 150mM NaCl, 10%Glycerol, pH7.5.
AA Sequence	FRGPLLPNRPFTTVWNANTQWCLERHGVDVDVSVFDVVANPGQTFRGPDMTIFYS SQLGTYPYYT PTGEPVFGGLPQNASLIAHLARTFQDILAAIPAPDFSGLAVIDWEAW RPRWAFNWDTKDIYRQRS RALVQAQHPDWPAPQVEAVAQDQFQGAARAWMAGT LQLGRALRPRGLWGFYGFPDCYNYDFLSPN YTGQCPSGIRAQNDQLGWLWGQSR ALYPSIYMPAVLEGTGKSQMYVQHRVAEAFRVAVAAGDPNL PVLPYVQIFYDTTNH

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	FLPLDELEHSLGESAAQGAAGVVLWVSWENTRTKESCQAIKEYMDTTLGP FILNVT SGALLCSQALCSGHGRCVRRTSHPKALLLLNPASFSIQLTPGGGPLSLRGALSLEDQ AQ MAVEFKCRCYPGWQAPWCERKSMWVDHHHHHH
Endotoxin	Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Store at < -20 centigrade, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	HYAL1 hyaluronoglucosaminidase 1 [Homo sapiens]
Official Symbol	HYAL1
Synonyms	HYAL1; hyaluronoglucosaminidase 1; hyaluronidase-1; FUS2; HYAL 1; LUCA1; NAT6; luCa-1; hyaluronidase 1; plasma hyaluronidase; tumor suppressor LUCA-1; lung carcinoma protein 1; hyaluronoglucosaminidase-1; HYAL-1; MGC45987;
Gene ID	3373
mRNA Refseq	NM_007312
Protein Refseq	NP_009296
MIM	607071
UniProt ID	Q12794

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