

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 LQLGRALRPRGLWGFYGFPCYNYDFLSPN YTGQCPSGIRAQNDQLGWLWGQSR ALYPSIYMPAVLEGTGKSQMYVQHRVAEAFRVAVAAGDPNL PVLPHYVQIFYDTTNH

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FLPLDELEHSLGESAAQGAAGVVLWVSWENTRTKESCQAIKEYMDTTLGP FILNVT
 SGALLCSQALCSGHGRCVVRTSHPKALLLNPAFSIQLTPGGGPLSLRGALSLEDQ
 AQ MAVEFKCRCYPGWQAPWCERKSMWVDHHHHHH

Endotoxin Less than 0.1 ng/g (1 IEU/g) 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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