

Active Recombinant Full Length Human HYAL1 Protein

Cat. No. HYAL1-247HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human HYAL1 with proprietary tag; Predicted MWt 53.9 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	253 amino acids
Description	This gene encodes a lysosomal hyaluronidase. Hyaluronidases intracellularly degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. Hyaluronan is thought to be involved in cell proliferation, migration and differentiation. This enzyme is active at an acidic pH and is the major hyaluronidase in plasma. Mutations in this gene are associated with mucopolysaccharidosis type IX, or hyaluronidase deficiency. The gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. Multiple transcript variants encoding different isoforms have been found for this gene.
Bio-activity	Useful for Antibody Production and Protein Array
Molecular Mass	53.900kDa inclusive of tags
AA Sequence	MAGTLQLGRALRPRGLWGFYGFDPDCYNYDFLSPNYTGQCPSGIRAQNDQLGWLW GQSRALYPSIYMPAVLEG TGKSQMYVQHRVAEAFRVAVAAGDPNLPVLPYVQIFYD TTNHFLPLDELEHSLGESAAQGAAGVVLWVSWENTRTKESCQAIKEYMDTTLGPFIL NVTSGALLCSQALCSGHGRCVRRRTSHPKALLLNPPASFSIQLTPGGGPLSLRGALSL

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EDQAQMAVEFKCRCYPGWQAPWCERKSMW

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name [HYAL1 hyaluronoglucosaminidase 1 \[Homo sapiens \]](#)

Official Symbol [HYAL1](#)

Synonyms HYAL1; hyaluronoglucosaminidase 1; hyaluronidase-1; FUS2; HYAL 1; LUCA1; NAT6

Gene ID [3373](#)

mRNA Refseq [NM_007312](#)

Protein Refseq [NP_009296](#)

MIM [607071](#)

UniProt ID [Q12794](#)

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