

Recombinant Human HYAL1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HYAL1-2506H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HYAL1 MS Standard C13 and N15-labeled recombinant protein (NP_149349) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	<p>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.</p>
Molecular Mass	48.4 kDa
AA Sequence	<p>MAAHLIPICALFLTLLDMAQGFRGPLLPNRPFTTVWNANTQWCLERHGVDVDVSVF DVVANPGQTRFGPDMTIFYSSQLGTYPYTPTGEPVFGGLPQNASLIAHLARTFQDI LAAIPAPDFSGLAVIDWEAWRPRWAFNWDTKDIYRQRSRALVQAQHPDWPAPQVE AVAQDQFQGAARAWMAGTLQLGRALRPRGLWGFYGFDCYNYDFLSPNYTGQCP SGIRAQNDQLGWLWGQSRALYPSIYMPAVLEGTKSQMYVQHRVAEAFRVAVAAG</p>

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DPNLPVLPYVQIFYDTTNHFLPLDELEHSLGESAAQGAAGVVLWVSWENTRTKESC
QAIKEYMDTTLGPFILNVTSGALLCSQALCSGHGRCVVRTSHPKALLLNPFASFSIQL
TPGGGPLSLRGALSLEDQAQMAVEFKCRCYPGWQAPWCERKSMWTRTRPLEQKL
ISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

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_033159](#)

Protein Refseq [NP_149349](#)

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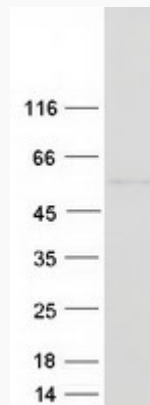
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MIM 607071


UniProt ID Q12794

SDS-PAGE



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