

Recombinant Human HYAL3, His-tagged

Cat. No. HYAL3-14020H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HYAL3 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-350a.a.
Description	This gene encodes a member of the hyaluronidase family. Hyaluronidases are endoglycosidase enzymes that degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. The regulated turnover of hyaluronan plays a critical role in many biological processes including cell proliferation, migration and differentiation. The encoded protein may also play an important role in sperm function. This gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression, and the expression of specific transcript variants may be indicative of tumor status. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and some isoforms may lack hyaluronidase activity. This gene overlaps and is on the same strand as N-acetyltransferase 6 (GCN5-related), and some transcripts of each gene share a portion of the first exon.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

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Storage Buffer

1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION
Gene Name

HYAL3 hyaluronoglucosaminidase 3 [Homo sapiens]

Official Symbol

HYAL3

Synonyms

HYAL3; hyaluronoglucosaminidase 3; hyaluronidase-3; LUCA 3; LUCA14; Minna14; lung carcinoma protein 3; LUCA3; HYAL-3; LUCA-3;

Gene ID

8372

mRNA Refseq

NM_001200029

Protein Refseq

NP_001186958

MIM

604038

UniProt ID

O43820

**Chromosome
Location**

3p21.3

Pathway

Chondroitin sulfate degradation, organism-specific biosystem; Chondroitin sulfate degradation, conserved biosystem; Dermatan sulfate degradation, organism-specific biosystem; Dermatan sulfate degradation, conserved biosystem; Glycosaminoglycan degradation, organism-specific biosystem; Glycosaminoglycan degradation, conserved biosystem; Metabolic pathways, organism-specific biosystem;

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Function

hyaluronoglucuronidase activity; hyaluronoglucosaminidase activity; NOT
hyaluronoglucosaminidase activity; hydrolase activity, acting on glycosyl bonds;
NOT viral receptor activity;

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