

Recombinant Human HYAL1 protein, His-tagged

Cat. No. HYAL1-1595H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HYAL1 aa. (Phe22~Trp435 (Accession # Q12794)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Phe22~Trp435
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.
Form	Freeze-dried powder
Molecular Mass	48kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	6.5

GENE INFORMATION

Gene Name	HYAL1 hyaluronoglucosaminidase 1 [Homo sapiens (human)]
Official Symbol	HYAL1
Synonyms	HYAL1; hyaluronoglucosaminidase 1; MPS9; NAT6; LUCA1; HYAL-1; hyaluronidase-1; luCa-1; lung carcinoma protein 1; plasma hyaluronidase; tumor suppressor LUCA-1
Gene ID	3373
mRNA Refseq	NM_033159.3
Protein Refseq	NP_149349.2

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UniProt ID

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