

Product datasheet for **TP721049L**

HYAL1 (NM_153285) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human hyaluronoglucosaminidase 1 (HYAL1), transcript variant 5
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Phe22-Trp435
Tag:	C-His
Predicted MW:	47.18 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_695017
Locus ID:	3373
UniProt ID:	Q12794
RefSeq Size:	1328
Cytogenetics:	3p21.31
RefSeq ORF:	1308
Synonyms:	HYAL-1; LUCA1; MPS9; NAT6



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Summary:

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. [provided by RefSeq, Jul 2008]

Protein Families:

Secreted Protein

Protein Pathways:

Glycosaminoglycan degradation, Lysosome, Metabolic pathways