

## Product datasheet for **TP721049M**

### **HYAL1 (NM\_153285) Human Recombinant Protein**

#### **Product data:**

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