

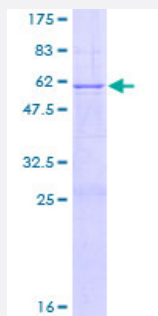
Full-Length

# HYAL1 (Human) Recombinant Protein (P01)

Catalog # H00003373-P01

Size 25 ug, 10 ug

## Applications



## Specification

|                         |                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description     | Human HYAL1 full-length ORF ( NP_695015.1, 1 a.a. - 253 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                             |
| Sequence                | MAGTLQLGRALRPRGLWGFYGFDPDCYNYDFLSPNYTGQCPSGIRAQNDQLGWLWGQSRALYPSI<br>YMPAVLEGTGKSQMYVQHRVAEAFRVAVAAGDPNLPVLPYVQIFYDTTNHFLPLDELEHSLGESA<br>AQGAAGVVLWVSWENTRTKESCQAIKEYMDTTLGPFILNVTSGALLCSQALCSGHGRCVVRTSH<br>PKALLLLNPASFSQLTPGGGPLSLRGALSLEDQAQMAVEFKCRCYPGWQAPWCERKSMW |
| Host                    | Wheat Germ (in vitro)                                                                                                                                                                                                                                                     |
| Theoretical MW (kDa)    | 54.4                                                                                                                                                                                                                                                                      |
| Preparation Method      | <a href="#">in vitro wheat germ expression system</a>                                                                                                                                                                                                                     |
| Purification            | Glutathione Sepharose 4 Fast Flow                                                                                                                                                                                                                                         |
| Quality Control Testing | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                                                                                                                                                                               |
| Storage Buffer          | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                  |
| Storage Instruction     | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                           |
| Note                    | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                    |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — HYAL1

Entrez GeneID [3373](#)

GeneBank Accession# [NM\\_153283.1](#)

Protein Accession# [NP\\_695015.1](#)

Gene Name HYAL1

Gene Alias HYAL-1, LUCA1, MGC45987, NAT6

Gene Description hyaluronoglucosaminidase 1

Omim ID [601492 607071](#)

Gene Ontology [Hyperlink](#)

**Gene 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]

**Other Designations** hyaluronidase 1|plasma hyaluronidase|tumor suppressor LUCA-1

## Pathway

- [Glycosaminoglycan degradation](#)
- [Metabolic pathways](#)

## Disease

- [Cleft Lip](#)
- [Cleft Palate](#)