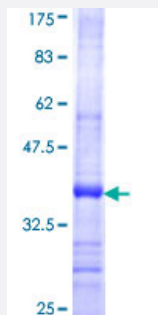


HYAL2 (Human) Recombinant Protein (Q01)

Catalog # H00008692-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HYAL2 partial ORF (NP_003764, 340 a.a. - 439 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	CQYLKDYLTRLLVPYVVNVSWATQYCSRAQCHGHGRCVRRNPSASTFLHLSTNSFRLVPGHAPG EPQLRPVGELSWADIDHLQTHFRCQCYLGWSGEQCQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (81); Rat (79)
Preparation Method	in vitro wheat germ expression system
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 — HYAL2

Entrez GeneID [8692](#)

GeneBank Accession# [NM_003773](#)

Protein Accession# [NP_003764](#)

Gene Name HYAL2

Gene Alias LUCA2, LuCa-2

Gene Description hyaluronoglucosaminidase 2

Omim ID [603551](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a protein which is similar in structure to hyaluronidases. 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. Varying functions have been described for this protein. It has been described as a lysosomal hyaluronidase which is active at a pH below 4 and specifically hydrolyzes high molecular weight hyaluronan. It has also been described as a GPI-anchored cell surface protein which does not display hyaluronidase activity but does serve as a receptor for the oncogenic virus Jaagsiekte sheep retrovirus. The gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. This gene encodes two alternatively spliced transcript variants which differ only in the 5' UTR. [provided by RefSeq]

Other Designations PH-20 homolog|hyaluronidase 2|lysosomal hyaluronidase

Pathway

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