

Recombinant Human HYAL1 protein ab112304

1 Image

Description	
Product name	Recombinant Human HYAL1 protein
Expression system	Wheat germ
Accession	<u>Q12794-3</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MAGTLQLGRALRPRGLWGFYGFPCYNYDFLSPNYTGQC PSGIRAQNDQL GWLWGQSRALYPSIMPAVLEGTGKSQMYVQHRVAEAFR VAVAAGDPNLP VLPYVQIFYDTTNHFLPLDELEHSLGESAAQGAAGVVLWW SWENTRTKES CQAIKEYMDTTLGPFILNVTSGALLCSQALCSGHGRCVRR TSHPKALLLL NPASFSQLTPGGGPLSLRGALSLEDQAQMAVEFKRCY PGWQAPWCERK SMW
Predicted molecular weight	54 kDa including tags
Amino acids	1 to 253
Tags	GST tag N-Terminus
Specifications	
Our <b>Abpromise guarantee</b> covers the use of <b>ab112304</b> in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	ELISA SDS-PAGE Western blot
Form	Solid
Additional notes	This product is useful for Antibody Production and Protein Array.

## Preparation and Storage

### Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

Glutathione is reduced

## General Info

### Function

May have a role in promoting tumor progression. May block the TGFB1-enhanced cell growth.

### Tissue specificity

Highly expressed in the liver, kidney and heart. Weakly expressed in lung, placenta and skeletal muscle. No expression detected in adult brain. Isoform 1 is expressed only in bladder and prostate cancer cells, G2/G3 bladder tumor tissues and lymph node specimens showing tumor invasive tumors cells. Isoform 3, isoform 4, isoform 5 and isoform 6 are expressed in normal bladder and bladder tumor tissues.

### Involvement in disease

Defects in HYAL1 are the cause of mucopolysaccharidosis type 9 (MPS9) [MIM:601492]; also called hyaluronidase deficiency. MPS9 is a lysosomal storage disease characterized by high hyaluronan (HA) concentration in the serum. The clinical features are periarticular soft tissue masses, mild short stature and acetabular erosions, and absence of neurological or visceral involvement.

### Sequence similarities

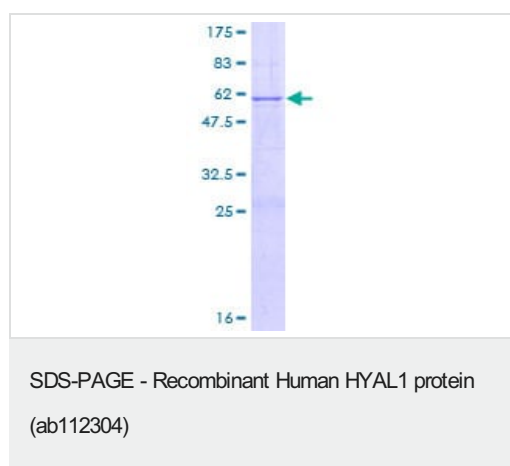
Belongs to the glycosyl hydrolase 56 family.

Contains 1 EGF-like domain.

### Cellular localization

Secreted. Lysosome.

## Images



ab112304 analysed on a 12.5% SDS-PAGE gel stained with Coomassie Blue

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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