

Product datasheet

Recombinant Human HYAL1 protein ab112305

1 Image

Overview

Product name	Recombinant Human HYAL1 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ

Amino Acid Sequence

Accession	Q12794
Species	Human
Sequence	ANPGQTFRGPDMTIFYSSQLGTYPYYTPTGEPVFGGLPQNASLIAHLART FQDILAAIPAPDFSGLAVIDWEAWRPRWAFNWDTKDIYRQRSRALVQAQH
Molecular weight	37 kDa including tags
Amino acids	60 to 159
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab112305** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Biological activity	useful for Antibody Production and Protein Array
Applications	ELISA SDS-PAGE Western blot
Form	Liquid
Additional notes	Best use within three months from the date of receipt of this protein.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: 0.79% Tris HCl, 0.31% Glutathione

Note: 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

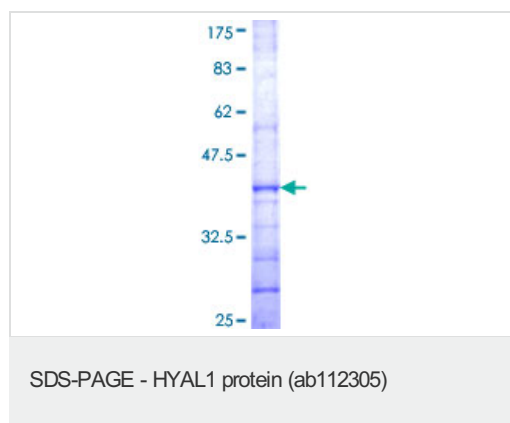
Belongs to the glycosyl hydrolase 56 family.

Contains 1 EGF-like domain.

Cellular localization

Secreted. Lysosome.

Images



ab112305 analysed on a 12.5% SDS-PAGE gel stained with Coomassie Blue.

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- Response to your inquiry within 24 hours
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