

## Recombinant Human HYAL1

Catalog No: CA81

Description Recombinant Human Hyaluronidase-1 is produced by our Mammalian expression system and the target

gene encoding Phe22-Trp435 is expressed with a 6His tag at the C-terminus.

Source Human Cells

Alternative name Hyaluronidase-1; Hyal-1; Hyaluronoglucosaminidase-1; Lung Carcinoma Protein 1; LuCa-1; HYAL1;

LUCA1

Accession No. Q12794

Formulation Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 10%Glycerol, pH7.5.

**Reconstitution** Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Quality Control Purity: Greater than 95% as determined by reducing SDS-PAGE.

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

**Shipping** The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

Storage Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

FRGPLLPNRPFTTVWNANTQWCLERHGVDVDVSVFDVVANPGQTFRGPDMTIFYSSQLGTYPYYTPTG EPVFGGLPQNASLIAHLARTFQDILAAIPAPDFSGLAVIDWEAWRPRWAFNWDTKDIYRQRSRALVQAQH PDWPAPQVEAVAQDQFQGAARAWMAGTLQLGRALRPRGLWGFYGFPDCYNYDFLSPNYTGQCPSGIR AQNDQLGWLWGQSRALYPSIYMPAVLEGTGKSQMYVQHRVAEAFRVAVAAGDPNLPVLPYVQIFYDTT NHFLPLDELEHSLGESAAQGAAGVVLWVSWENTRTKESCQAIKEYMDTTLGPFILNVTSGALLCSQALCS

but it is weakly expressed in the lung, placenta, and skeletal muscle. HYAL1 is thought to be involved in

Amino Acid Sequence

**Background** 

GHGRCVRRTSHPKALLLLNPASFSIQLTPGGGPLSLRGALSLEDQAQMAVEFKCRCYPGWQAP WCERKSMWVDHHHHHH

Hyaluronidase-1 (HYAL1) is a secreted lysosomal hyaluronidase that belongs to the glycosyl hydrolase 56 family. HYAL1 contains one EGF-like domain and is highly expressed in the liver, kidney, and heart,

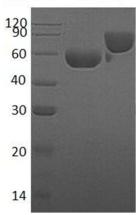
cell proliferation, migration, and differentiation. It may play a role in promoting tumor progression and blocking the TGFB1-enhanced cell growth. Mutations in HYAL1 are associated with

mucopolysaccharidosis type IX, or hyaluronidase deficiency.

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