

## 32-6866: HYAL1 Human

**Alternative Name :** Hyaluronidase-1, Hyal-1, Hyaluronoglucosaminidase-1, Lung carcinoma protein 1, LuCa-1, HYAL1, Hyaluronidase 1, Hyaluronoglucosaminidase 1, Hyaluronoglucosaminidase1, LUCA 1, MPS9, NAT6, Plasma hyaluronidase, Tumor suppressor LUCA 1.

### Description

Source: HEK293 Cells.

Sterile Filtered colorless solution.

Hyaluronidase-1 or HYAL1 is a protein, part of the endolytic glycoside hydrolase proteins group. Human hyaluronidases proteins, are 5 endo- $\beta$ -acetylhexosaminidases (including HYAL1, HYAL2, HYAL3). Hyaluronidase-1 causes degradation to hyaluronic acid in the extracellular matrix of somatic tissues. HYAL1 needs an acidic environment and is the most common hyaluronidase in the plasma. Mutations in this protein can lead to mucopolysaccharidosis type IX and hyaluronidase deficiency.

HYAL1 Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (22-435 a.a) containing a total of 420 amino acids, having a molecular mass of 46.9 kDa. HYAL1 is fused to a 6 amino acid His-tag at C-terminus, and is purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2  $\mu$ g / 10  $\mu$ g

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** The HYAL1 solution (0.25mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** FRGPLLPNRP FTTVWNANTQ WCLERHGVDV DVSVFDVVAN PGQTFRGPDM TIFYSSQLGT YPYTPTGEP VFGGLPQNAS LIAHLARTFQ DILAAIPAPD FSGLAVIDWE AWRPRWAFNW DTKDIYRQRS RALVQAQHPD WPAPQVEAVA QDQFQGAARA WMAGTLQLGR ALRPRGLWGF YGFPDCYNYD FLSPNYTGQC PSGIRAQNDQ LGWLWQSRALYPSIYMPAV LEGTGKSQMY VQHRVAEAFR VAVAAGDPNL PVLPHYQIFY DTTNHFLPLD ELEHSLGESA AQGAAGVVLW VSWENTRTKE SCQAIKEYMD TTLGPFILNV TSGALLCSQA LCSGHGRCVR RTSHPKALLL LNPASFSQL TPGGGPLSLR GALSLEDQAQ MAVEFKCRCY PGWQAPWCER KSMWHHHHHH