

## 32-7801: Recombinant Human Hyaluronidase-1/HYAL1 (C-6His)

**Gene :** HYAL1  
**Gene ID :** 3373  
**Uniprot ID :** Q12794

### Description

Source: Human Cells.  
MW :47.18kD.

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. 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, but it is weakly expressed in the lung, placenta, and skeletal muscle. HYAL1 is thought to be involved in cell proliferation, migration, and differentiation. It may play a role in promoting tumor progression and blocking the TGF $\beta$ 1-enhanced cell growth. Mutations in HYAL1 are associated with mucopolysaccharidosis type IX, or hyaluronidase deficiency.

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g  
**Content :** Supplied as a 0.2  $\mu$ m filtered solution of 20mM TrisHCl, 150mM NaCl, 10%Glycerol, pH7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** FRGPLLPNRPFTTVWNANTQWCLERHGVDVDVSVFDVVANPGQTFRGPDMTIFYSSQLGTYPYYTPTGEPVFG  
GLPQNASLIAHLARTFQDILAAIPAPDFSGLAVIDWEAWRPRWAFNWDTKDIYRQRSRALVQAQHPDWPAPQV  
EAVAQDQFQGAARAWMAGTLQLGRALRPRGLWGFYGFPCYNYDFLSPNYTGQCPSGIRAQNDQLGWLWG  
QSRALYPSIYMPAVLEGTGKSQMYVQHRVAEAFRVAVAAGDPNLPVLPYVQIFYDTTNHFLPLDELEHSLGESA  
AQGAAGVVLWVSWENTRTKESQAIKEYMDTTLGPFILNVTSGALLCSQALCSGHGRCVRRTSHPKALLLNLP  
ASFSIQLTPGGPLSLRGALSLEDQAQMAVEFKCRCYPGWQAPWCERKSMWVDHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.