

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 β 1-enhanced cell growth. Mutations in HYAL1 are associated with mucopolysaccharidosis type IX, or hyaluronidase deficiency.

Product Info

Amount : 10 μ g / 50 μ g
Content : Supplied as a 0.2 μ 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
AQGAAGVVLWVSWENTRTKESCQAIKEYMDTTLGPFILNVTSGALLCSQALCSGHGRCVVRTSHPKALLLNLP
ASFSIQLTPGGGPLSLRGALSLEDQAQMAVEFKCRCYPGWQAPWCERKSMWVDHHHHHHH

Application Note

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