
Product Data Sheet

Product Name: HYAL1 Human

Cat. No.: GP26170

Batch No.: 1

Product Data

Purity >98% Source HEK293 Cells.

Physical Appearance solid Shipping Condition withIcePacks

Synonyms 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.

Amino Acid Sequence
FRGPLLPNRP FTTVWNANTQ WCLERHGVDV DSVVFDVVAN PGQTFRGPDM
TIFYSSQLGT YPYTPTGEP VFGGLPQNAS LIAHLARTFQ DILAAIPAPD
FSGLAVIDWE AWRPRWAFNW DTKDIYRQRS RALVQAQHPD WPAPQVEAVA
QDQFQGAARA WMAGTLQLGR ALRPRGLWGF YGFPDCYNYD FLSPNYTGQC
PSGIRAQNDQ LGWLWGQSRA LYSIYMPAV LEGTGKSQMY VQHRVAEAFR
VAVAAGDPNL PVLPIVQIFY DTTNHFLPLD ELEHSLGESA AQGAAGVVLW
VSWENTRTKE SCQAIKEYMD TTLGPFILNV TSGALLCSQA LCSGHGRCVR
RTSHPKALLL LNPASFSIQL TPGGGPLSLR GALSLEDQAQ MAVEFKCRCY
PGWQAPWCER KSMWHHHHHH

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

Introduction

Hyaluronidase-1 or HYAL1 is a protein, part of the endolytic glycoside hydrolase proteins group. Human hyaluronidases proteins, are 5 endo β Nacetylhexosaminidases (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.

Stability

Store at 46vC if entire vial will be used within 2-4 weeks. Store. frozen at -206vC for

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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.

Background

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.

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