

Hyaluronidase-1/HYAL1 Protein, Human (HEK293, C-His)

Cat. No.:	HY-P70411A
Synonyms:	rHuHyaluronidase-1/HYAL1, His; Hyaluronidase-1; Hyal-1; Hyaluronoglucosaminidase-1; Lung Carcinoma Protein 1; LuCa-1; HYAL1; LUCA1
Species:	Human
Source:	HEK293
Accession:	Q12794-1 (F22-W435)
Gene ID:	3373
Molecular Weight:	Approximately 50-57 kDa due to the glycosylation.

PROPERTIES

AA Sequence	<pre> FRGPLLPNRP FTTVWNANTQ WCLERHGVDV DVSVFDDVVAN PGQTFRGPDM TIFYSSQLGT YPYTPTGEP VFGGLPQNAS LIAHLARTFQ DILAAIPAPD FSLAVIDWE AWRPRWAFNW DTKDIYRQRS RALVQAQHPD WPAPQVEAVA QDQFQGAARA WMAGTLQLGR ALRPRGLWGF YGFPDCYNYD FLSPNYTGQC PSGIRAQNDQ LGWLWGQSR LYPSIYMPAV LEGTGKSQMY VQHRVAEAFR VAVAAGDPNL PVLPHYVQIFY DTTNHFLPLD ELEHSLGESA AQGAAGVVLW VSWENTRTKE SCQAIKEYMD TTLGPFILNV TSGALLCSQA LCSGHGRCVR RTSHPKALLL LNPASFSIQL TPGGGPLSLR GALSLEDQAQ MAVEFKCRCY PGWQAPWCER KSMW </pre>
Biological Activity	Measured in a cell proliferation assay using DU145 cells. The ED ₅₀ for this effect is 0.861 ng/mL, corresponding to a specific activity is 1.161×10 ⁶ units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of 20 mM Tris-HCL, 150 mM NaCl, pH 7.5.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

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