

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

Cat. No.:	HY-P70411
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 50-65 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 ELEHSLGES AQAAGVVLW 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	Solution.
Formulation	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, 10% Glycerol, pH 7.5.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background

The Hyaluronidase-1/HYAL1 protein emerges as a potential contributor to tumor progression, suggesting its involvement in the intricate mechanisms that facilitate cancer advancement. Additionally, it exhibits the ability to impede TGFβ1-enhanced cell growth, underscoring its regulatory function in restraining specific cellular processes. The dual nature of its impact on both promoting tumor progression and inhibiting TGFβ1-enhanced cell growth underscores the complexity of HYAL1's involvement in cellular behavior and highlights its potential significance in the context of tumorigenesis.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA