



# Recombinant Human Hyaluronidase-2 (HYAL2)

<b>Product Code</b>	CSB-EP618635HU
<b>Abbreviation</b>	HYAL2
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q12891
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MELKPTAPPIFTGRPFVVAWDVPTQDCGPRLKVPLDLNAFDVQASPNEGfVN QNITIFYRDLGLYPRFDSAGRSVHGGVpQNVSLWAHRKMLQKRVEHYIRTQ ESAGLAVIDWEDWRPVWVRNWQDKDVYRRLSRQLVASRHPDWPPDRIVKQA QYEFEEAAQQFMLETlRYVKAVRPRHLWGFYLFpDCYNHDYVQNWESYTGR CPDVEVARNDQLAWLWAESTALFpSVYLDETLASSRHGRNFVpSFRVQEALRV ARTHANHALPVYVFTRPTYSRRLTGLSEMDLISTIGESAALGAAGVILWGDAG YTTSTETCQYLKDYLRLLVPYVVNVSWATQYCSRAQCHGHGRCVRRNPSAS TFLHLSTNSFRLVPGHAPGEPQLRPVgELSWADIDHLQTHFRCQCYLGWSGE QCQWDHRQAAGG
<b>Research Area</b>	Cancer
<b>Source</b>	E.coli
<b>Target Names</b>	HYAL2
<b>Protein Names</b>	Recommended name: Hyaluronidase-2 Short name= Hyal-2 EC= 3.2.1.35 Alternative name(s): Hyaluronoglucosaminidase-2 Lung carcinoma protein 2 Short name= LuCa-2
<b>Expression Region</b>	21-448aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a protein which is similar in structure to hyaluronidases. Hyaluronidases intracellularly degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. Hyaluronan is thought to be involved in cell proliferation, migration and differentiation. Varying functions have been described for this protein. It has been described as a lysosomal hyaluronidase which is active at a pH below 4 and specifically hydrolyzes high molecular weight hyaluronan. It has also been described as a GPI-anchored cell surface protein which does not display hyaluronidase activity but does serve as a receptor for the oncogenic virus Jaagsiekte sheep retrovirus. The gene is one



of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. This gene encodes two alternatively spliced transcript variants which differ only in the 5' UTR.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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