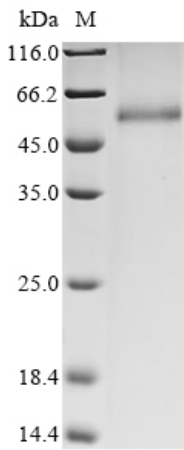


Datasheet

Product Name	Recombinant Human Hyaluronidase-2(HYAL2)
Catalog Number	MBS1352341
Expression host	<i>Mammalian cell</i>
Product Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Storage Buffer	0.2 µm sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, pH 8.0, 50% glycerol
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Relevance	Hydrolyzes high molecular weight hyaluronic acid to produce an intermediate-sized product which is further hydrolyzed by sperm hyaluronidase to give small oligosaccharides. Displays very low levels of activity. Associates with and negatively regulates MST1R.
AA sequence	MELKPTAPPIFTGRPFVVAWDVPTQDCGPRLKVPLDLNAFDVQASPNEGTVN QNITIFYRDRLGLYPRFDSAGRSVHGGVPQNVSLWAHRKMLQKRVEHYIRTQ ESAGLAVIDWEDWRPVWVRNWQDKDVYRRLSRQLVASRHPDWPPDRIVKQ AQYEFEEFAAQQFMLETTRYVKA VRPRHLWGFYLFPCYNHDYVQNWESYT GRCPDVEVARNDQLAWLWAESTALFPSVYLDETLASSRHGRNFVSFRVQEAL RVARTHHANHALPVYVFTRPTYSRRLTGLSEMDLISTIGESAALGAAGVILWG DAGYTTSTETCQYLKDYLTRLLVPYVVNVSWATQYCSRAQCHGHGRCVRRN PSASTFLHLSTNSFRLVPGHAPGEPQLRPVGELSWADIDHLQTHFRCQCYLGW SGEQCQWDHRQAAGG
References	"LUCA2 (HYAL2, lysosomal hyaluronidase) a novel human cDNA with homology to human PH-20 gene is homozygously deleted in small cell lung cancer and located in 3p21.3." Chen J., Bader S., Latif F., Duh F.-M., Lerman M.I., Minna J.D. Submitted (OCT-1998)

Certificate of Analysis

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Catalog Number	MBS1352341		
Expression host	Mammalian cell		
Product Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged		
Buffer	0.2 μm sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, pH 8.0, 50% glycerol		
Batch Number	YD04517a7g5		
Nature	Human HYAL2-(AA 21–448)-Q12891-Full Length of Mature Protein		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 °C, one week from the date of receipt	
	Long term	-20 to -80 °C, six months from the date of receipt	
Form	Liquid		
Date of detection	2020.08.14		
Test Items	Specifications		Results
Appearance	Clear Solution		pass
Concentration	0.1-5 mg/ml, by the Bradford Method.		0.13 mg/ml
Purity	≥85%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		93%
Molecular Weight	Predicted band size: 54.3 kDa		Observed band size: 55 kDa

Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.	
Aseptic Processing	0.2 µm sterile filtered	
Endotoxin Level	<1.0 EU per 1µg of the protein by the LAL method.	pass
Activity	Not tested	
Conclusion	pass	

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