

Recombinant Syndecan-1-(his)C, human



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CAT No. S003B
LOT No. 2798
0.1 mg

Product description

This protein is a type I membrane heparan sulphate proteoglycan. Syndecan-1 is involved in cell proliferation, cell migration, and cell-matrix interactions. Altered syndecan-1 expression has been observed in several tumor types.

Reference sequences:	NM_002997			
	NP_002988			
	Swiss-prot	P18827		
Alternative names:	syndecan			
	SDC			
	SYND1			
	CD138			
Gene ID:	Heparan growth	sulfate factor	proteoglycan receptor	fibroblast 6382

The ecto-domain of human syndecan-1, residues 21 - 254 was over-expressed in HEK293EBNA1 cells and purified to homogeneity. The protein has 5 potential O-linked glycosylation sites, 1 potential N-linked glycosylation site and 1 phosphorylated serine residue. The protein of this product has a lower molecular weight compared to S003A, see figure 1, suggesting a reduced degree of glycosylation. The protein contains a C-terminal hexahistidine tag. The calculated molecular weight without glycosylation of recombinant human syndecan-1, residues 21 - 254 including hexahistidine tag, is 25.8 kDa. Each vial contains 100 µg Syndecan-1 at 1,59 mg/ml.

Protein sequence

marplctllllmatlagalagslpalpqivatnlppedqdgsgddsdnfsfgs
gagalqditlsqqtptstwkdtqlltaiptspeptgleataaststlpagegpk
geavvlpevepgltareqeatprprettqlpthqastttattaqepatshphr
dmqpgghetstpagpsqadlhtphtedggpsateraadgassqlpaae
gsgeqdftfetsgentavvavepdrnrqspvdqgatgasqglldrkevlga
aa**hhhhhh***

Storage and stability

Syndecan-1-(his)C should be stored at - 80 °C (stable for at least 1 year). The buffer is PBS without preservative. After thawing it should be stored in appropriate small aliquots at - 20 °C or - 80 °C (stable for at least 2 months).

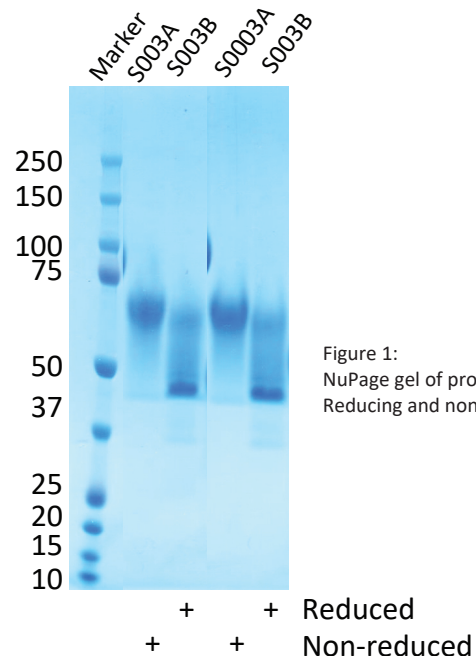


Figure 1:
NuPage gel of product S003A and S003B
Reducing and non-reducing

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