

Recombinant Syndecan-1-(his)C, human



Life Sciences Incubator
Yalelaan 62
3584 CM Utrecht
The Netherlands

Catalog S003A
Lot 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
Heparan sulfate proteoglycan fibroblast growth factor receptor

Gene ID: 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 higher molecular weight compared to S003B, see figure 1, suggesting a higher 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 1,04 mg/ml.

Protein sequence

marplctllllmatlagalagslqpalpqivatnlppedqdgsgddsdnfsfgs
gagalqditlsqqtptstwkdtqlltaiptspeptgleataaststlpagegpkp
geavvlpevepgltareqeatprprettqlptthqastttattagepatshphr
dmqpgghetstpagpsqadlhtphtedggpsateraadgassqlpaae
gsgeqdfdfetsgentavvavepdrnrqspvdqgatgasqglldrkevlg
aahhhhhh*

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).

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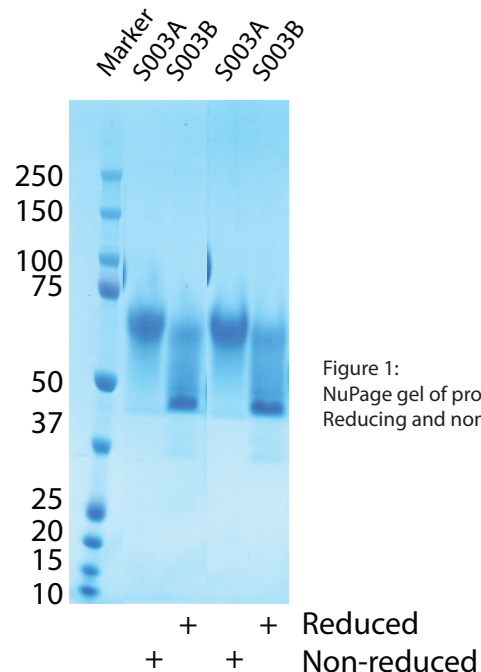


Figure 1:
NuPage gel of product S003A and S003B
Reducing and non-reducing