

Proteoliposomes

Full-Length

SDC1 (Human) Recombinant Protein

Catalog # H00006382-G01

Size 2 ug

Specification

Product Description	Human SDC1 full-length ORF (NP_001006947.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MRRAALWLWLCALALSLQPALPQMATNLPPEDQDGSDDSDNFSGSGAGALQDITLSQQTPST WKDTQLLTAIPTSPEPTGLEATAASTSTLPAGEGPKERGEAVVLPEVEPGLTAREQEATPRPRETT QLPTTHQASTTTATTAQEPATSHPHRDMQPGHHETSTPAGPSQADLHTPHTEDGGPSATERAAE DGASSQLPAAEGSGEQDFTFETSGENTAVVAVEPDRRNQSPVDQGATGASQGLLDRKEVLGG VIAGGLVGLIFAVCLVGFMLYRMKKKDEGSYSLEEPKQANGGAYQKPTKQEEFYA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	32.5
Form	Liquid
Preparation Method	in vitro wheat germ expression system with proprietary liposome technology
Purification	None
Recommend Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — SDC1

Entrez GeneID	6382
GeneBank Accession#	NM_001006946.1
Protein Accession#	NP_001006947.1
Gene Name	SDC1
Gene Alias	CD138, SDC, SYND1, syndecan
Gene Description	syndecan 1
Omim ID	186355
Gene Ontology	Hyperlink
Gene Summary	<p>The protein encoded by this gene is a transmembrane (type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. The syndecans mediate cell binding, cell signaling, and cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein. The syndecan-1 protein functions as an integral membrane protein and participates in cell proliferation, cell migration and cell-matrix interactions via its receptor for extracellular matrix proteins. Altered syndecan-1 expression has been detected in several different tumor types. While several transcript variants may exist for this gene, the full-length nature of only two have been described to date. These two represent the major variants of this gene and encode the same protein. [provided by RefSeq]</p>
Other Designations	CD138 antigen OTTHUMP00000115942 heparan sulfate proteoglycan fibroblast growth factor receptor syndecan proteoglycan 1

Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [ECM-receptor interaction](#)

Disease

- [Disease Progression](#)
- [HIV Infections](#)