

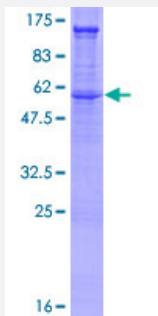
Full-Length

SDC2 (Human) Recombinant Protein (P01)

Catalog # H00006383-P01

Size 2 ug

Applications



Specification

Product Description

Human SDC2 full-length ORF (AAH49836.1, 1 a.a. - 201 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRRAWILLTLGLVACVSAESRAELTSKDMYLDNSSIEEASGVYPIDDDDYASASGSGADEDVES
PELTTTRPLPKILLTSAAPKVETTTLNQNKIPAQTKSPEETDKEKVHLSDSERKMDPAEEDTNVYT
EKHSDSLFKRTEVLA AVIAGGVIGFLFAIFLILLLVYRMRKKDEGSYDLGERKPSSAAYQKAPTKEF
YA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

48.6

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SDC2

Entrez GeneID [6383](#)

GeneBank Accession# [BC049836.1](#)

Protein Accession# [AAH49836.1](#)

Gene Name SDC2

Gene Alias HSPG, HSPG1, SYND2

Gene Description syndecan 2

Omim ID [142460](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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-2 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-2 expression has been detected in several different tumor types. [provided by RefSeq]

Other Designations cell surface-associated heparan sulfate proteoglycan 1|fibroglycan|heparan sulfate proteoglycan 1, cell surface-associated|heparan sulfate proteoglycan core protein|syndecan proteoglycan 2

Pathway

- [Cell adhesion molecules \(CAMs\)](#)

- [ECM-receptor interaction](#)

Disease

- [Albuminuria](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Mental Disorders](#)
- [Proteinuria](#)
- [Tobacco Use Disorder](#)