



## Recombinant Protein Technical Manual

**Recombinant Human Syndecan-2/SDC2 Protein (His Tag)(Active)**  
RPES0416

### Product Data:

**Product SKU:** RPES0416

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P34741

### Protein Information:

**Molecular Mass:** 15.0 kDa

**AP Molecular Mass:** 32 kDa

**Tag:** C-6His

**Bio-activity:** Immobilized Human FGFb(Cat: PKSH032437) at 2µg/ml(100 µl/well) can bind Human SDC2-His. The ED50 of Human SDC2-His is 645ng/ml .

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM Tris-Citrate, 150mM NaCl, pH 7.0.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:** Functional ELISA

**Synonyms:** Syndecan-2; SYND2; Fibroglycan; Heparan Sulfate Proteoglycan Core Protein; HSPG; CD362; SDC2; HSPG1

## Immunogen Information:

**Sequence:** Glu19-Glu144

## Background:

Syndecan-2 is a member of the Syndecans family comprised of type I transmembrane heparan sulfate proteoglycans (HSPG) that are involved in the regulation of many cellular processes. Four sub-types of mammalian Syndecans have been reported and among them, Syndecan-2 plays a role in the cancer development. It can affect the basal and chemotherapy-induced apoptosis in osteosarcoma. It can also suppress MMP2 activation, suppressing metastasis.