



Recombinant Protein Technical Manual
Recombinant Human Syntenin/SDCBP Protein (His
Tag)
RPES0493

Product Data:

Product SKU: RPES0493

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: O00560

Protein Information:

Molecular Mass: 33.5 kDa

AP Molecular Mass: 33 kDa

Tag: C-6His

Bio-activity:

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

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

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.

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

Application:

Synonyms: Syntenin; Melanoma differentiation-associated protein 9; Pro-TGF-alpha cytoplasmic domain-interacting protein 18; Scaffold protein Pbp1; Syndecan-binding protein 1; SDCBP; MDA9; SYCL;

Immunogen Information:

Sequence: Ser2-Val298

Background:

Syntenin is a molecule linking syndecan-mediated signaling to the cytoskeleton. Syntenin is primarily localized to membrane-associated adherens junctions and focal adhesions but also found at the endoplasmic reticulum and nucleus. The syntenin protein contains tandemly repeated PDZ domains that bind the cytoplasmic, C-terminal domains of a variety of transmembrane proteins. Syntenin may affect cytoskeletal-membrane organization, cell adhesion, protein trafficking, and the activation of transcription factors. It seems to function as an adapter protein, in adherens junctions may function to couple syndecans to cytoskeletal proteins or signaling components. Syntenin seems to couple transcription factor SOX4 to the IL-5 receptor (IL5RA) and play a role in vesicular trafficking.