

Recombinant Human Syntenin-1

Catalog No: CG46

Description	Recombinant Human Syndecan-binding protein 1 is produced by our E.coli expression system and the target gene encoding Ser2-Val298 is expressed with a 6His tag at the C-terminus.
Expression System	E.coli
Alternative name	Syntenin-1; Melanoma differentiation-associated protein 9; Pro-TGF-alpha cytoplasmic domain-interacting protein 18; Scaffold protein Pbp1; Syndecan-binding protein 1; SDCBP; MDA9; SYCL
Accession No.	O00560
Predicted Molecular Weight	33.5kDa
Apparent Molecular Weight	33kDa, reducing conditions.
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris HCl, 100mM NaCl, 40% glycerol, pH8.0.
Shipping	The product is shipped on dry ice pack. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Background	Syntenin-1 is a molecule linking syndecan-mediated signaling to the cytoskeleton. Syntenin-1 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-1 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-1 seems to couple transcription factor SOX4 to the IL-5 receptor (IL5RA) and play a role in vesicular trafficking.

SDS-PAGE

