

Recombinant Human Syntenin-1/SDCBP Protein (His Tag)



Catalog Number:PKSH033095

Note: Centrifuge before opening to ensure complete recovery of vial contents.

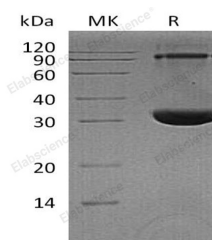
Description

Synonyms	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;
Species	Human
Expression Host	E.coli
Sequence	Ser2-Val298
Accession	O00560
Calculated Molecular Weight	33.5 kDa
Observed molecular weight	33 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein 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 Acetate, 250mM Mannitol, 0.05% Tween 80, pH4.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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