

## Syntenin Protein, Human, Recombinant (His)

### General Information

Synonyms:	MDA-9;SYCL;TACIP18;syndecan binding protein (syntenin);ST1;MDA9
Protein Construction:	A DNA sequence encoding the human SDCBP (NP_001007068.1) (Met1-Val298) was expressed with a polyhistidine tag at the N-terminus. Predicted N terminal: Met
Species:	Human
Expression Host:	E. coli
Accession:	O00560-1
Molecular Weight:	34.7 kDa (predicted)

### QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90 % as determined by SDS-PAGE.
Endotoxin:	Please contact us for more information.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Syntenin1/SDCBP (syndecan binding protein), also known as melanoma differentiation associated gene-9 (MDA-9), is a PDZ domain-containing molecule, which was initially identified as a key oncogene in melanoma. IL-6 promotes glioma cell proliferation and invasion by inducing SDCBP expression, which is mediated by JAK2/STAT3 signaling. SDCBP might be an important marker for identifying Triple negative breast cancer (TNBC) cases that are suitable for dasatinib therapy.

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