

Product datasheet for LY300304

OriGene Technologies, Inc.

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Syntaxin 16 (STX16) Human Knockdown Lysate

Product data:

Product Type: Knockdown Lysates

Description: WB-validated STX16 Knockdown HeLa Cell Lysate

Species: Human Expression Host: HeLa

Tag: Tag Free

Synonyms: STX16; Syntaxin 16; SYN-16; Syntaxin-16; Hsyn16; Hsyn16; Syn16

Predicted MW: 37 kDa

Components: 1 vial of 100 ug WT HeLa cell lysate

1 vial of 100 ug STX16 KD HeLa cell lysate

Storage: Store at -20 °C for two years.

Concentration: Lot-specific

Buffer: IntactProtein Cell-Tissue Lysis buffer

Locus ID: 8675

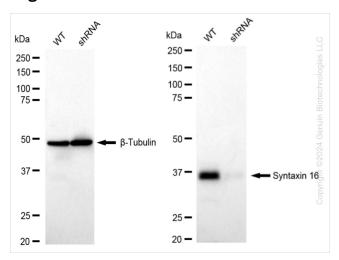
 UniProt ID:
 014662

Protein Families: Druggable Genome, Transmembrane

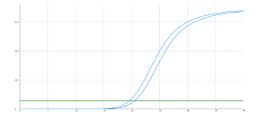
Protein Pathways: SNARE interactions in vesicular transport



Product images:



Western blotting analysis. STX16 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β -Tubulin served as a loading control. The blots were incubated with primary antibodies against STX16 and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQTM ECL Substrate Kit.



Genotype	Ct Value
Wild-Type	19.28
Knock-Down	20.22
ΔCt (Ct _{KD} -Ct _{WT})	0.94
% mRNA Reduction	48 %

RT-qPCR analysis. HeLa cells were infected with STX16-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. Δ Ct (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2 Δ Ct) x 100%.