

Syntaxin 7

Cat.No. 110-7P; control protein, 100 µg protein (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg protein, lyophilized. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in TBS. Then aliquot and store at -20°C until use.
Immunogen	Recombinant protein corresponding to AA 1 to 236 from rat Syntaxin7 (UniProt Id: O70257)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	110 072, 110 073
Remarks	This control protein consists of the recombinant protein (aa 1 - 236) that has been used for immunization. It has been tested in preadsorption experiments and blocks efficiently and specifically the corresponding signal in Western blots. The amount of protein needed for efficient blocking depends on the titer and on the affinity of the antibody to the antigen.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Syntaxin 7, a member of the SNARE family of proteins, is related to syntaxins 1-4 but localized to endosomal membranes of a wide variety of cells.

Syntaxin 7 is involved in the fusion of late endosomes and lysosomes. In endosomal membranes, it forms complexes with endobrevin, syntaxin 8 and vti1b.

Selected General References

Membrane fusion and exocytosis.

Jahn R, Südhof TC

Annual review of biochemistry (1999) 68: 863-911.

Differential roles of syntaxin 7 and syntaxin 8 in endosomal trafficking.

Prekeris R, Yang B, Oorschot V, Klumperman J, Scheller RH

Molecular biology of the cell (1999) 10(11): 3891-908.

Seven novel mammalian SNARE proteins localize to distinct membrane compartments.

Advani RJ, Bae HR, Bock JB, Chao DS, Doung YC, Prekeris R, Yoo JS, Scheller RH

The Journal of biological chemistry (1998) 273(17): 10317-24.