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VPS37B (m): 293T Lysate: sc-124583

BACKGROUND

Vacuolar sorting proteins (VPSs) are required for proper trafficking of endocytic and biosynthetic proteins to the vacuole and play an important role in the budding process of cells. VPS37B (vacuolar protein sorting 37 homolog B), also known as ESCRT-I complex subunit VPS37B, is a 285 amino acid peripheral membrane protein that is a member of the VPS37 family. Expressed in macrophages and lymphocytes, VPS37B is recruited to the endosomal membrane in a VPS4A-dependent fashion. VPS37B is a component of the ESCRT-I complex, which is known to regulate vesicular trafficking. VPS37B is required for the sorting of endocytic ubiquitinated cargo into multi-vesicular bodies and may be involved in cell growth and differentiation.

REFERENCES

1. Stuchell, M.D., et al. 2004. The human endosomal sorting complex required for transport (ESCRT-I) and its role in HIV-1 budding. *J. Biol. Chem.* 279: 36059-36071.
2. Bache, K.G., et al. 2004. The growth-regulatory protein HCRP1/hVps37A is a subunit of mammalian ESCRT-I and mediates receptor down-regulation. *Mol. Biol. Cell* 15: 4337-4346.
3. Eastman, S.W., et al. 2005. Identification of human VPS37C, a component of endosomal sorting complex required for transport-I important for viral budding. *J. Biol. Chem.* 280: 628-636.
4. Gill, D.J., et al. 2007. Structural studies of phosphoinositide 3-kinase-dependent traffic to multivesicular bodies. *Biochem. Soc. Symp.* 47-57.
5. Morita, E., et al. 2007. Identification of human MVB12 proteins as ESCRT-I subunits that function in HIV budding. *Cell Host Microbe* 2: 41-53.
6. Morita, E., et al. 2007. Human ESCRT and ALIX proteins interact with proteins of the midbody and function in cytokinesis. *EMBO J.* 26: 4215-4227.
7. Silvestri, L.S., et al. 2007. Involvement of vacuolar protein sorting pathway in Ebola virus release independent of TSG101 interaction. *J. Infect. Dis.* 196: S264-S270.
8. Chung, H.Y., et al. 2008. NEDD4L overexpression rescues the release and infectivity of human immunodeficiency virus type 1 constructs lacking PTAP and YPX_L late domains. *J. Virol.* 82: 4884-4897.
9. Bajorek, M., et al. 2009. Biochemical analyses of human IST1 and its function in cytokinesis. *Mol. Biol. Cell* 20: 1360-1373.

CHROMOSOMAL LOCATION

Genetic locus: Vps37b (mouse) mapping to 5 F.

PRODUCT

VPS37B (m): 293T Lysate represents a lysate of mouse VPS37B transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

APPLICATIONS

VPS37B (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive VPS37B antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.