Recombinant dog Caveolin-1

Catalog No: #AP72475

Package Size: #AP72475-1 20ug #AP72475-2 100ug #AP72475-3 1mg

Orders: order@signalwayantibody.com
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Description

Product Name	Recombinant dog Caveolin-1
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-178aSequence Info:Full Length
Other Names	Vesicular integral-membrane protein VIP21
Accession No.	P33724
Uniprot	P33724
GeneID	403980;
Calculated MW	22.6 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MSGGKYVDSEGHLYTVPIREQGNIYKPNNKAMAEEMSEKQVYDAHTKEIDLVNRDPKHLNDDVVKIDFEDVIA EPEGTHSFDGIWKASFTTFTVTKYWFYRLLSALFGIPMALIWGIYFAILSFLHIWAVVPCIKSFLIEIQCISRVYSIY VHTFCDPFFEAVGKIFSNIRINMQKET
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Involved in the costimulatory signal essential for T-cell receptor (TCR)-mediated T-cell activation. Its binding to DPP4 induces T-cell proliferation and NF-kappa-B activation in a T-cell receptor,CD3-dependent manner. May act as a scaffolding protein within caveolar mbranes. Interacts directly with G-protein alpha subunits and can functionally regulate their activity. Recruits CTNNB1 to caveolar mbranes and may regulate CTNNB1-mediated signaling through the Wnt pathway.

References

Comparative analyses of multi-species sequences from targeted genomic regions.Thomas J.W., Touchman J.W., Blakesley R.W., Bouffard G.G., Beckstrom-Sternberg S.M., Margulies E.H., Blanchette M., Siepel A.C., Thomas P.J., McDowell J.C., Maskeri B., Hansen N.F., Schwartz M.S., Weber R.J., Kent W.J., Karolchik D., Bruen T.C., Bevan R. , Cutler D.J., Schwartz S., Elnitski L., Idol J.R., Prasad A.B., Lee-Lin S.-Q., Maduro V.V.B., Summers T.J., Portnoy M.E., Dietrich N.L., Akhter N., Ayele K., Benjamin B., Cariaga K., Brinkley C.P., Brooks S.Y., Granite S., Guan X., Gupta J., Haghighi P., Ho S.-L., Huang M.C., Karlins E., Laric P.L., Legaspi R., Lim M.J., Maduro Q.L., Masiello C.A., Mastrian S.D., McCloskey J.C., Pearson R., Stantripop S., Tiongson E.E., Tran J.T., Tsurgeon C., Vogt J.L., Walker M.A., Wetherby K.D., Wiggins L.S., Young A.C., Zhang L.-H., Osoegawa K., Zhu B., Zhao B., Shu C.L., De Jong P.J., Lawrence C.E., Smit A.F., Chakravarti A., Haussler D., Green P., Miller W., Green E.D.Nature 424:788-793(2003)Research Topic:Others

Note: This product is for in vitro research use only