

Recombinant Human ANKRD27

Catalog No: #GP12547



Package Size: #GP12547-1 100ug

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Description

Product Name	Recombinant Human ANKRD27
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 851-1050 amino acids of human ANKRD27
Target Name	ankyrin repeat domain 27
Other Names	VARP; PP12899
Accession No.	Swissprot:Q96NW4Gene Accession:BC050529
Uniprot	Q96NW4
GeneID	84079;
Storage	-20~-80°C, pH 7.6 PBS

Background

May be a guanine exchange factor (GEF) for Rab21, Rab32 and Rab38 and regulate endosome dynamics (PubMed:16525121, PubMed:18477474). May regulate the participation of VAMP7 in membrane fusion events; in vitro inhibits VAMP7-mediated SNARE complex formation by trapping VAMP7 in a closed, fusogenically inactive conformation (PubMed:23104059). Involved in peripheral melanosomal distribution of TYRP1 in melanocytes; the function, which probably is implicating vesicle-trafficking, includes cooperation with Rab32, Rab38 and VAMP7 (By similarity). Involved in the regulation of neurite growth; the function seems to require its GEF activity, probably towards Rab21, and VAMP7 but not Rab32/38 (By similarity). Proposed to be involved in Golgi sorting of VAMP7 and transport of VAMP7 vesicles to the cell surface; the function seems to implicate kinesin heavy chain isoform 5 proteins, GOLGA4, RAB21 and MACF1 (PubMed:22705394). Required for the colocalization of VAMP7 and Rab21, probably on TGN sites (PubMed:19745841). Involved in GLUT1 endosome-to-plasma membrane trafficking; the function is dependent of association with VPS29 (PubMed:24856514).

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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