SANTA CRUZ BIOTECHNOLOGY, INC.

ARF1 (128-177): sc-4490 WB



BACKGROUND

ADP-ribosylation factor, or ARF, is a distantly related member of the Ras small molecular weight GTPase family. ARF is a 21 kDa, N-myristoylated protein that mediates the vesicular transport of molecules from the endoplasmic reticulum to the Golgi apparatus by regulating vesicle budding. It also plays a key role in maintaining the structural integrity and the overall morphology of the Golgi apparatus. Phospholipase D (PLD), an enzyme that is present on Golgi membranes in copious amounts, is regulated not only by ARF, but by the related GTPase RhoA. ARF is recruited onto membranes bound for transport from a cytoplasmic pool and may facilitate the assembly of protein complexes onto coated vesicles.

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SOURCE

ARF1 (128-177) is expressed in *E. coli* as a 33 kDa tagged fusion protein corresponding to amino acids 128-177 of ARF1 of human origin.

PRODUCT

ARF1 (128-177) is purified from bacterial lysates (>98%) by glutathione agarose affinity chromatography; supplied as 10 μ g in 0.1 ml SDS-PAGE loading buffer.

STORAGE

Store at -20° C; stable for one year from the date of shipment.

APPLICATIONS

ARF1 (128-177) is suitable as a Western blotting control for sc-1870 and sc-9063.

RESEARCH USE

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