

Recombinant Human ANKFY1 Protein (A2-S1169), Tag Free

Cat. No. ANKFY1-0881H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human (GG)-ANKFY1(A2-S1169 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	A2-S1169
Description	Proposed effector of Rab5. Binds to phosphatidylinositol 3-phosphate (PI(3)P). Involved in homotypic early endosome fusion and to a lesser extent in heterotypic fusion of clathrin-coated vesicles with early endosomes. Involved in macropinocytosis; the function is dependent on Rab5-GTP. Required for correct endosomal localization. Involved in the internalization and trafficking of activated tyrosine kinase receptors such as PDGFRB. Regulates the subcellular localization of the retromer complex in a EHD1-dependent manner. Involved in endosome-to-Golgi transport and biosynthetic transport to late endosomes and lysosomes indicative for a regulation of retromer complex-mediated retrograde transport.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	ANKFY1 ankyrin repeat and FYVE domain containing 1 [Homo sapiens (human)]
Official Symbol	ANKFY1
Synonyms	ANKFY1; ankyrin repeat and FYVE domain containing 1; ankyrin repeat and FYVE domain-containing protein 1; ANKHZN; KIAA1255; ZFYVE14; Rabankyrin-5; ankyrin repeat hooked to zinc finger motif; ankyrin repeats hooked to a zinc finger motif; DKFZp686M19106;
Gene ID	51479
mRNA Refseq	NM_001257999
Protein Refseq	NP_001244928
MIM	607927
UniProt ID	Q9P2R3

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