

# Recombinant Human ANKFY1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ANKFY1-3931H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | ANKFY1 MS Standard C13 and N15-labeled recombinant protein (NP_065791) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | This gene encodes a cytoplasmic protein that contains a coiled-coil structure and a BTB/POZ domain at its N-terminus, ankyrin repeats in the middle portion, and a FYVE-finger motif at its C-terminus. This protein belongs to a subgroup of double zinc finger proteins which may be involved in vesicle or protein transport. Alternate splicing results in multiple transcript variants of this gene.                                                                                         |
| <b>Molecular Mass</b>   | 54.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MAEEEVAKLEKHLMLLRQEYVKLQKKLAETEKRCALLAAQANKESSESFISRLLAIV<br>ADLYEQEQYSDLKIKVGDRHISAHKFVLAARSDSWSLANLSSTKELDLSDANPEVTM<br>TMLRWIYTDELEFREDDVFLTELMKLANRFQLQLLRERCEKGVMSLVNVRNCIRFYQ<br>TAEELNASTLMNYCAEIIASHWDDLKEDFSSMSAQLLYKMIKSKTEYPLHKAIVKVER<br>EDVVFLYLIEMDSQLPGKLNADHNGDLALDLALSRRLESIATTLVSHKADVDMVDK<br>SGWSLLHKGIGRQDLFAATFLIKNGAFVNAATLGAQETPLHLVALYSSKKHSADVMS<br>EMAQIAEALLQAGANPNMQDSKGRTPHVSIMAGNEYVFSQLLQCKQLDLELKDHE<br>GSTALWLAVQHITVSSDQSVNPFEDVPVVGTSFDENSFAARLIQSGSHTDAPDTAT |

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|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
|                       | GKARASRRGDAGVCRRQEMACKCLHPKFRNTRTRPLEQKLISEEDLAANDILDYKD<br>DDDKV                          |
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ANKFY1 ankyrin repeat and FYVE domain containing 1 [ Homo sapiens (human) ]                                                                                                                                                                                   |
| <b>Official Symbol</b> | ANKFY1                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 51479                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>     | NM_020740                                                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>  | NP_065791                                                                                                                                                                                                                                                     |

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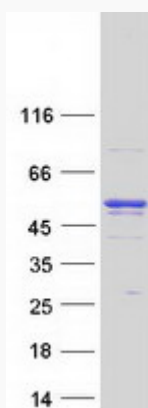
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MIM 607927

UniProt ID Q9P2R3

SDS-PAGE



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