

Recombinant Human RUFY4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RUFY4-1811H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RUFY4 MS Standard C13 and N15-labeled recombinant protein (NP_940885) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Positively regulates macroautophagy in primary dendritic cells. Increases autophagic flux, probably by stimulating both autophagosome formation and facilitating tethering with lysosomes. Binds to phosphatidylinositol 3-phosphate (PtdIns3P) through its FYVE-type zinc finger.
Molecular Mass	44.9 kDa
AA Sequence	MFSESRCSSSTQTQGRPRKNKDAPKKIPAAAYGGPENQIEDSHTSQAICLQDAPS GQQLAGLPRSQQQRHLPFFLEKKGESSRKHRYPQSMWEPEGKELQLDQEERAPWI EIFLGNSTPSTQGQKGAMGTQKEVIGMEAEVTGVLLVAEGQRTTEGTHKKEAEWS HVQRLLMPSPRGAVEGAVSGSRQSGSGSSILGEPWVLQGHATKEDSTVENPQVQT EVTLVARREEQAEVSLQDEIKSLRLGLRKAEEQAQRQEQLLREQEGELQALREQLS RCQEERAELQAQLEKQQAERRDAMYQEELGGQRDLVQAMKRRVLELIQEKDRL WQRLQHLSSMAPECCVACSKIFGRFSRRYPCRLCGLLCHACSM DYKKRDRCCPP CAQGREAQVTTTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	RUFY4 RUN and FYVE domain containing 4 [Homo sapiens (human)]
Official Symbol	RUFY4
Synonyms	RUFY4; RUN and FYVE domain containing 4; RUN and FYVE domain-containing protein 4; FLJ46536;
Gene ID	285180
mRNA Refseq	NM_198483
Protein Refseq	NP_940885
UniProt ID	Q6ZNE9

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SDS-PAGE

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