

Product datasheet for PH316656

RUFY4 (NM_198483) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RUFY4 MS Standard C13 and N15-labeled recombinant protein (NP_940885)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216656
Predicted MW:	44.9 kDa
Protein Sequence:	>RC216656 protein sequence Red =Cloning site Green =Tags(s)

MFSESRCSSSTQTQGRPRKNKDAPKKIPAAYGGPENVQIEDSHTSQAIQLQDAPSGQQLAGLPRSQQQR
 HLPFFLEKKGESSRKHRYPQSMWEPEGKELQLDQEERAPWIEIFLGNSTPSTQGQKGAMGTQKEVIGME
 AEVTGVLLVAEGQRTTEGTHKKEAEWSHVQRLLMPSPRGAVEGAYSGSRQSGGSSILGEPWVLQGHATK
 EDSTVENPQVQTEVTLVARREEQAEVSLQDEIKSLRLGLRKAEEQAQRQEQLLREQEGELQALREQLSRC
 QEERAELQAQLEQKQQAERRDAMYQEELGGQRDLVQAMKRRVLELIQEKDRLWQRLQHLSSMAPECCVA
 CSKIFGRFSRRYPCRLCGLLCHACSM DYKKRDRCCPPCAQGREAVT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_940885</u>
RefSeq Size:	2777
RefSeq ORF:	1194
Synonyms:	ZFYVE31
Locus ID:	285180

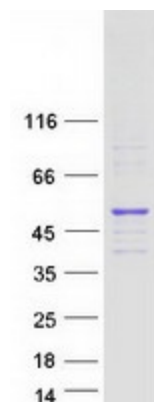

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UniProt ID: [Q6ZNE9](#)

Cytogenetics: 2q35

Summary: 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.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified RUFY4 protein (Cat# [TP316656]). The protein was produced from HEK293T cells transfected with RUFY4 cDNA clone (Cat# [RC216656]) using MegaTran 2.0 (Cat# [TT210002]).