

Product datasheet for PH320648

RNF157 (NM_052916) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RNF157 MS Standard C13 and N15-labeled recombinant protein (NP_443148)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220648
Predicted MW:	73.4 kDa
Protein Sequence:	>RC220648 representing NM_052916 Red =Cloning site Green =Tags(s)

MGALTSRQHAGVEEVDIPSNSVYRYPKSGSYFASHFIMGGEKFDSTHPEGYLFGENSDLNGLGNRPVVF
 PYAAPPQPQEPVKTLRSLVNIRKDTLRLVKCAEEVKSPGEEASKAKVHYNVEFTFDTDARVAITIIYYQATE
 EFQNGIASYIPKDNSLQSETVQYKRGVCQQFCLPSHTVDPSEWAEELGFDLDREVYPLVVHAVVDEGDE
 YFGHCHVLLGTFEKHTDGTFCVKPLKQKQVVDGVSYLLQEIYGIENKYNQDSKVAEDEVSDNSAECVVC
 LSDVRDTLILPCRHLCLCNTCADTLRYQANNCPIRLPFRALLQIRAMRKKLGPLSPTSFNPIISSQTS
 SEEHPSENIPPGYEVVSLLEALNGPLTPSPAVPPLHVLGDGHLGMLPSYSGDGHLPVVRTISPLDRLS
 DSSSQGLKLLKSLSKSTSQNSSVLHEEEDHSCSESETQLSQRPVQHLGEECGVTPESNLTLSSSGAI
 DQSSCTGTPLSSTISSPEGPASSSLAQSVSMASQISTDTVSSMSGSYIAPGTEEEGEALSSQPASRA
 PSEEGEGLPAESPDSNFAGLPAGEQDAEGNDVIEEDGSPTQEGQRTCAFLGMECDNNDFDIASVKALD
 NKLCSEVCLPGAQWQADNNAVSRAQRRRLSSSSLEDSETRPCVWGPLAV

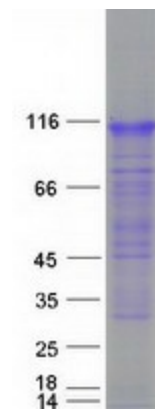
TRTRPLEEQKLISEEDLAANDILDYKDDDDKV

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:	NP_443148
RefSeq Size:	3570


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RefSeq ORF:	2037
Locus ID:	114804
UniProt ID:	Q96PX1
Cytogenetics:	17q25.1
Summary:	E3 ubiquitin ligase that ubiquitinates APBB1 for its degradation by the proteasome and thus prevents apoptosis and promotes survival of neurons (PubMed:25342469). Has a dual role in neurons as it is also required for dendrite growth and maintenance for which its ligase activity is not critical (PubMed:25342469). May act as a scaffold molecule to regulate this process (PubMed:25342469). Acts as a downstream effector of the interconnected PI3K and MAPK signaling pathways and thus participates in the regulation of the cell cycle (PubMed:28655764).[UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified RNF157 protein (Cat# [TP320648]). The protein was produced from HEK293T cells transfected with RNF157 cDNA clone (Cat# [RC220648]) using MegaTran 2.0 (Cat# [TT210002]).