

Product datasheet for PH303224

RNF166 (NM_178841) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RNF166 MS Standard C13 and N15-labeled recombinant protein (NP_849163)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203224
Predicted MW:	26.1 kDa
Protein Sequence:	>RC203224 protein sequence Red=Cloning site Green=Tags(s) MAMFRSLVASAQQRQPPAGPAGGDSGLEAQYTCPICLEVYHRPVAIGSCGHTFCGECLQPCLQVPSPLCP LCRLPFDPKKVDKATHVEKQLSSYKAPCRGCNKKVTLAKMRVHISSCLKVQEQMANCPKFVVPVPTSQPI PSNIPNRSTFACPYCGARNLDQQELVKHCVESHRSDPNRVVCPICISAMPWGDPSYKSANFLQHLHRHKF SYDTFVDYSIDEEAAFQAALALSLEN TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_849163
RefSeq Size:	1888
RefSeq ORF:	711
Locus ID:	115992
UniProt ID:	Q96A37
Cytogenetics:	16q24.2-q24.3



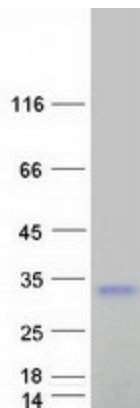
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Summary:

E3 ubiquitin-protein ligase that promotes the ubiquitination of different substrates (PubMed:27880896). In turn, participates in different biological processes including interferon production or autophagy (PubMed:26456228, PubMed:27880896). Plays a role in the activation of RNA virus-induced interferon-beta production by promoting the ubiquitination of TRAF3 and TRAF6 (PubMed:26456228). Plays also a role in the early recruitment of autophagy adapters to bacteria (PubMed:27880896). Mediates 'Lys-29' and 'Lys-33'-linked ubiquitination of SQSTM1 leading to xenophagic targeting of bacteria and inhibition of their replication (PubMed:27880896).[UniProtKB/Swiss-Prot Function]

Protein Families:

Druggable Genome

Product images:

Coomassie blue staining of purified RNF166 protein (Cat# [TP303224]). The protein was produced from HEK293T cells transfected with RNF166 cDNA clone (Cat# [RC203224]) using MegaTran 2.0 (Cat# [TT210002]).