

## Product datasheet for PH311928

### RNF22 (TRIM3) (NM\_033278) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TRIM3 MS Standard C13 and N15-labeled recombinant protein (NP_150594)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211928
Predicted MW:	80.6 kDa
Protein Sequence:	>RC211928 representing NM_033278 Red=Cloning site Green=Tags(s)

MAKREDSPGPEVQPMQKQFLVCSICLDTRYQCPKVLPC LH TFCERCLQNYIPAQSLT LSCPVCRQTSILPE  
QGVSA LQNNFFISSLMEAMQQAPDGAHDPEDPHPLSVVAGRPLSCP NHEGKTMEFYCEACETAMCGECRA  
GEHREHGTVLLRDVVEQHKAAALQRQLEAVRGRLPQLSAAIALVGGISQQLQERKAEALAI SAAFEDLEQ  
ALQQRKQALVSDLETICGAKQKVLQSQDLTLRQQQEHI GSSCSFAEQALRLGSAPEVLLVRKHMRLERLAA  
LAAQAFPERPHENAQLELVLEVDGLRRSVLNLGALLTTSATAHETVATGEGLRQALVGQPASLTVTTKDK  
DGRLVRTGSAELRAEITGPDGTRLVPPVVDHKNGTYELVYTARTEGELL SVLLYGQPVGRGSPFRVRLR  
PGDLPPSPDDVRRVKSPGGPGSHVRQKAVRRPSSMYSTGGKRKDNPIEDELVFRVGRGREGKEFTNLQ  
GVSAASSGRIVVADSNNQCIQVFSNEGQFKFRFGVGRSPGQLQRPTGVAVDTNGDIIVADYDNRWVSIF  
SPEGKFKTKIGAGRLMGPKGVAVDRNGHIIVVDNKSCCVFTFQPNGKLVGRFGGRGATDRHFAGPHFVAV  
NNKNEIVVTD FHNH SVK VYSADGEFLFKFGSHGEGNGQFNAPTGVAVDSNGNIIIVADWGN SRIQVFDSSG  
SFLSYINTSAEPLYGPGQLALTS DGHVVVADAGNHCFKAYRYLQ

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_150594</a>

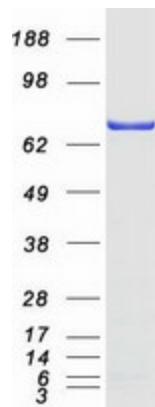


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RefSeq Size:	2894
RefSeq ORF:	2232
Synonyms:	BERP; HAC1; RNF22; RNF97
Locus ID:	10612
UniProt ID:	<a href="#">O75382</a>
Cytogenetics:	11p15.4

**Summary:** The protein encoded by this gene is a member of the tripartite motif (TRIM) family, also called the 'RING-B-box-coiled-coil' (RBCC) subgroup of RING finger proteins. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This protein localizes to cytoplasmic filaments. It is similar to a rat protein which is a specific partner for the tail domain of myosin V, a class of myosins which are involved in the targeted transport of organelles. The rat protein can also interact with alpha-actinin-4. Thus it is suggested that this human protein may play a role in myosin V-mediated cargo transport. Alternatively spliced transcript variants encoding the same isoform have been identified. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified TRIM3 protein (Cat# [TP311928]). The protein was produced from HEK293T cells transfected with TRIM3 cDNA clone (Cat# [RC211928]) using MegaTran 2.0 (Cat# [TT210002]).