

## Product datasheet for PH307081

### TDRD3 (NM\_030794) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TDRD3 MS Standard C13 and N15-labeled recombinant protein (NP_110421)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207081
Predicted MW:	73.2 kDa
Protein Sequence:	>RC207081 protein sequence Red=Cloning site Green=Tags(s)

MLRLQMTDGHISCTAVEFSYMSKISLNTPPGKTKVLSGIVDIKNGFLLLNDSTTVLGGEVEHLIEKWEL  
QRSLSKHNRSNIGTEGGPPPFVFPFGQKCVSHVQVDSRELDRRKTLQVTMPVKPTNDNDEFEKQRTAAIAE  
VAKSKETKTFGGGGGGARSNLNMNAAGNRNREVLQKEKSTKSEKHEGVYRELVDEKALKHITEMGFSKE  
ASRQALMDNGNLEAALNVLLTSNKQKPYMGPPLRGRGKGRGRIRSEDEEDLGNARPSAPSTLDFLESK  
MGTLNVEEPKSQPQQLHQGQYRSSNTEQNGVKDNNHLRHPPRNDTRQPRNEKPPRFQRDSQNSKSVLEGS  
GLPRNRGSRPSTSSVSEVWAEDRIKCDRPPYSRYDRTKDTSYPLGSQHSDFGAFKKRDNMSQSRSGKGPSF  
AEAKENPLPQGSVDYNNQKRGKRESQTSIPDYFYDRKSQTIINNEAFSGIKIEKHFVNTDYQNPVRSNSF  
IGVPNGEVEMPLKGRRIPIKAGPVTAVPCDDKIFYNSGPKRRSGPIKPEKILESSIPMEYAKMWWKPGD  
ECFALYWEDNKFYRAEVEALHSSGMTAVVKFIDYGNVEEVLLSNIKPIQTEAWEEEGTYDQTLFRRGGD  
GQPRRSTRPTQQFYQPPRARN

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_110421</a>
RefSeq Size:	3029



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RefSeq ORF: 1953

Locus ID: 81550

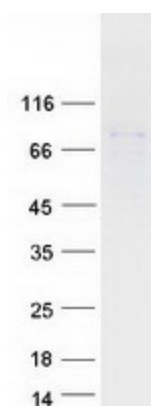
UniProt ID: [Q9H7E2](#), [A0A024QZE0](#)

Cytogenetics: 13q21.2

**Summary:** Scaffolding protein that specifically recognizes and binds dimethylarginine-containing proteins. In nucleus, acts as a coactivator: recognizes and binds asymmetric dimethylation on the core histone tails associated with transcriptional activation (H3R17me2a and H4R3me2a) and recruits proteins at these arginine-methylated loci. In cytoplasm, may play a role in the assembly and/or disassembly of mRNA stress granules and in the regulation of translation of target mRNAs by binding Arg/Gly-rich motifs (GAR) in dimethylarginine-containing proteins. [UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified TDRD3 protein (Cat# [TP307081]). The protein was produced from HEK293T cells transfected with TDRD3 cDNA clone (Cat# [RC207081]) using MegaTran 2.0 (Cat# [TT210002]).