

## Product datasheet for PH321441

### C15ORF27 (TMEM266) (NM\_152335) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	C15orf27 MS Standard C13 and N15-labeled recombinant protein (NP_689548)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221441
Predicted MW:	58.3 kDa
Protein Sequence:	>RC221441 representing NM_152335 Red=Cloning site Green=Tags(s)

MAVAPSFNMTNPQPAIEGGISEVEIISQQVDEETKSIAPVQLVNFAYRDLPLAAVDLSTAGSQLLSNLDE  
DYQREGSNWLKPCCGKRAAVWQVFLLSASLNSFLVACVILVVILLTLELLIDIKLLQFSSAFQFAGVIHW  
ISLVILSVFFSETVLRIVVLGIWDYIENKIEVFDGAVIILSLAPMVASTVANGPRSPWDAISLIIMLRIW  
RVKRVIDAYVLPVKLEMEMVIQQYEKAKVIQDEQLERLTQICQEQGFQIRQLRAHLAQQDLDLAAEREA  
LQAPHVLSQPRSRFKVLEAGTWDEETAESVVEELQPSQEATMKDDMNSYISQYYNGPSSDSGVPEPAVC  
MVTAAIDIHQPNISSDLFSLDMPLKLGNGTSATSEASRSSVTRAQSDSSQTLGSSMDCSTAREEPSS  
EPGPPPLPSQQVVEEATVQDLLSSLEDPCPSQKALDPAPLARPPAGSAQTSPELEHRVSLFNQKNQ  
EGFTVFQIRPVIHFQPTVPMLEDKFRSLESKEQKLHRVPEA

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- <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_689548</a>
RefSeq Size:	2414
RefSeq ORF:	1593



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**Synonyms:** C15orf27; HsHVRP1; hTMEM266; HVRP1

**Locus ID:** 123591

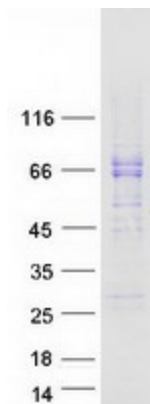
**UniProt ID:** [Q2M3C6](#)

**Cytogenetics:** 15q24.2

**Summary:** Voltage-sensor protein present on the post-synaptic side of glutamatergic mossy fibers and granule cells in the cerebellum (PubMed:25165868, PubMed:30810529). Despite the presence of a voltage-sensor segment, does not form a functional ion channel and its precise role remains unclear (PubMed:25165868, PubMed:30810529). Undergoes both rapid and slow structural rearrangements in response to changes in voltage (PubMed:30810529). Contains a zinc-binding site that can regulate the slow conformational transition (PubMed:30810529). [UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome, Transmembrane

### Product images:



Coomassie blue staining of purified TMEM266 protein (Cat# [TP321441]). The protein was produced from HEK293T cells transfected with TMEM266 cDNA clone (Cat# [RC221441]) using MegaTran 2.0 (Cat# [TT210002]).