

## Product datasheet for PH301060

### TMEM70 (NM\_017866) Human Mass Spec Standard

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Mass Spec Standards   |
| Description:                          | TMEM70 MS Standard C13 and N15-labeled recombinant protein (NP_060336)  |
| Species:                              | Human   |
| Expression Host:                      | HEK293  |
| Expression cDNA Clone or AA Sequence: | RC201060  |
| Predicted MW:                         | 29 kDa  |
| Protein Sequence:                     | >RC201060 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)<br><br>MLFLALGSPWAVELPLCGRRRTALCAAAALRGPRASVSRASSSSGSPGVAGWSTGPSGAARLLRRPGRAQ<br>IPVYWEGYVRFNLNTPSDKSEDGRLIYTGMMARAVFGVKCFSYSTSLIGLTFLPYIFTQNNAISESVPLPI<br>QIIFYGIMGSFTVITPVLLHFITKGYVIRLYHEATTDYKAITYNAMLAETSTVFHQNDVKIPDAKHVFT<br>TFYAKTKSLLVNPVLPNREDIHLMGYDKEEFILYMEETSEEKRHKDDK<br><br><b>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</b> |
| 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_060336</a>   |
| RefSeq Size:                          | 2096  |
| RefSeq ORF:                           | 780   |
| Synonyms:                             | MC5DN2  |
| Locus ID:                             | 54968   |
| UniProt ID:                           | <a href="#">Q9BUB7</a>  |



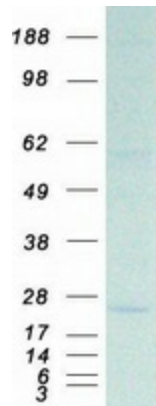
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Cytogenetics: 8q21.11

**Summary:** This gene likely encodes a mitochondrial membrane protein. The encoded protein may play a role in biogenesis of mitochondrial ATP synthase. Mutations in this gene have been associated with neonatal mitochondrial encephalocardiomyopathy due to ATP synthase deficiency. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2010]

Protein Families: Transmembrane

### Product images:



Coomassie blue staining of purified TMEM70 protein (Cat# [TP301060]). The protein was produced from HEK293T cells transfected with TMEM70 cDNA clone (Cat# [RC201060]) using MegaTran 2.0 (Cat# [TT210002]).