

## Product datasheet for PH302609

### TRPT1 (NM\_031472) Human Mass Spec Standard

#### Product data:

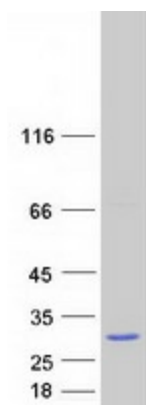
|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Mass Spec Standards  |
| Description:                          | TRPT1 MS Standard C13 and N15-labeled recombinant protein (NP_113660)  |
| Species:                              | Human  |
| Expression Host:                      | HEK293   |
| Expression cDNA Clone or AA Sequence: | RC202609   |
| Predicted MW:                         | 22.4 kDa   |
| Protein Sequence:                     | >RC202609 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MGADGFVPLGTLQLPQFRGFS AEDVQRVVDNRKQRFALQLGDPSTGLLIRANQGHSLQVPKLELMPL<br>TPQALPPMLVHGTFWKHWPSILLKGLSCQGRTHIHLAPGLPGDPGII SGMRSHCEIAVFIDGPLALADGI<br>PFFRSANGVILTPGNTDGFLLPKYFKEALQLRPTRKPLSLAGDEETECQSSPKHSSRERRRIQQ<br><br>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_113660</a>  |
| RefSeq Size:                          | 987  |
| RefSeq ORF:                           | 612  |
| Locus ID:                             | 83707  |
| UniProt ID:                           | <a href="#">Q86TN4</a> , <a href="#">A0A024R5C2</a>  |
| Cytogenetics:                         | 11q13.1  |



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**Summary:**

Catalyzes the last step of tRNA splicing, the transfer of the splice junction 2'-phosphate from ligated tRNA to NAD to produce ADP-ribose 1''-2'' cyclic phosphate.[UniProtKB/Swiss-Prot Function]

**Product images:**

Coomassie blue staining of purified TRPT1 protein (Cat# [TP302609]). The protein was produced from HEK293T cells transfected with TRPT1 cDNA clone (Cat# [RC202609]) using MegaTran 2.0 (Cat# [TT210002]).