

## Product datasheet for PH310077

### MRM1 (NM\_024864) Human Mass Spec Standard

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Mass Spec Standards  |
| Description:                          | MRM1 MS Standard C13 and N15-labeled recombinant protein (NP_079140) |
| Species:                              | Human  |
| Expression Host:                      | HEK293   |
| Expression cDNA Clone or AA Sequence: | RC210077   |
| Predicted MW:                         | 38.6 kDa   |
| Protein Sequence:                     | >RC210077 protein sequence<br>Red=Cloning site Green=Tags(s)         |

MALLSTVRGATWGRLVTRHFSHAARHGERPGGEELSRLLDDLVPTSRLLELLFGMTPCLLALQAARRSVA  
RLLLLQAGKAGLQGKRAELLRMAEARDIPVLRPRRQKLDTCRYQVHQGVCMEVSPLRPRPWREAGEASPG  
DDPQQLWLVLDGIQDPRNFGAVLRSALFLGVDKIVTSRRNSCPLTPVVSQSSAGAMEVMDVFSTDDLTF  
LQTKAQQGWL VAGTVGCPSTEDPQSSEIPIMSCLEFLWERPTLLVLGNEGSGLSQEVQASCQLLLTILPR  
RQLPPGLESLNVSVAAGILLHSICSQRKGFPTGERRQLLQDPQEPSARSEGLSMAQHPGLSSGPEKERQ  
NEG

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:          | <u>NP_079140</u>   |
| RefSeq Size:     | 1851   |
| RefSeq ORF:      | 1059   |
| Locus ID:        | 79922  |
| UniProt ID:      | <u>Q6IN84</u>  |



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Cytogenetics: 17q12

Summary: S-adenosyl-L-methionine-dependent 2'-O-ribose methyltransferase that catalyzes the formation of 2'-O-methylguanosine at position 1145 (Gm1145) in the 16S mitochondrial large subunit ribosomal RNA (mtLSU rRNA), a universally conserved modification in the peptidyl transferase domain of the mtLSU rRNA.[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified MRM1 protein (Cat# [TP310077]). The protein was produced from HEK293T cells transfected with MRM1 cDNA clone (Cat# [RC210077]) using MegaTran 2.0 (Cat# [TT210002]).