

# Recombinant Human Protein Arginine Methyltransferase 6

**Cat. No.** PRMT6-453H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PRMT6, amino-acids 2-375(end), with N-terminal His-tag, MW=43 kDa, expressed in E. coli.                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 2-375 a.a.                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | Protein arginine N-methyltransferase 6 is an enzyme that in humans is encoded by the PRMT6 gene. Protein arginine N-methyltransferases, such as PRMT6, catalyze the sequential transfer of a methyl group from S-adenosyl-L-methionine to the side chain nitrogens of arginine residues within proteins to form methylated arginine derivatives and S-adenosyl-L-homocysteine. |
| <b>Purity</b>           | >45%.                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Application</b>      | Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.                                                                                                                                                                                                                                                                                      |
| <b>Formulated In</b>    | 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 200 mM imidazole, 20% glycerol, and 3 mM DTT.                                                                                                                                                                                                                                                                                 |
| <b>Stability</b>        | >6 months at –80°C.                                                                                                                                                                                                                                                                                                                                                            |

## GENE INFORMATION

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | PRMT6 protein arginine methyltransferase 6 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>            | PRMT6; protein arginine methyltransferase 6; HRMT1L6; FLJ10559; FLJ51477; EC 2.1.1.125; protein arginine N-methyltransferase 6; Histone-arginine methyltransferase PRMT6; EC2.1.1.-; Protein arginine N-methyltransferase 6; HMT1 hnRNP methyltransferase-like 6 (S. cerevisiae); Heterogeneous nuclear ribonucleoprotein methyltransferase-like protein 6 |
| <b>Gene ID</b>             | 55170                                                                                                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>         | NM_018137                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>      | NP_060607                                                                                                                                                                                                                                                                                                                                                  |
| <b>MIM</b>                 | 608274                                                                                                                                                                                                                                                                                                                                                     |
| <b>UniProt ID</b>          | Q96LA8                                                                                                                                                                                                                                                                                                                                                     |
| <b>Chromosome Location</b> | 1p13.2                                                                                                                                                                                                                                                                                                                                                     |
| <b>Function</b>            | histone binding; transferase activity; protein methyltransferase activity; histone methyltransferase activity (H2A-R3 specific); histone methyltransferase activity (H3-R2 specific); histone methyltransferase activity (H4-R3 specific); protein methyltransferase activity; protein-arginine omega-N asymmetric methyltransferase activity              |