

# Recombinant Human PRMT5/MEP50 complex Protein, Flag/His-tagged

**Cat. No.** PRMT5-178H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human recombinant PRMT5 in complex with human recombinant MEP50, produced by co-expression in an insect cell/baculovirus expression system with N-terminal Flag (PRMT5), N-terminal His (MEP50). |
| <b>Species</b>          | Human                                                                                                                                                                                            |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                     |
| <b>ProteinLength</b>    | PRMT5 2-637(C-term.), MEP50 2-342 (C-term.)                                                                                                                                                      |
| <b>Form</b>             | 50 mM Tris/HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 3 mM TCEP, 20% (v/v) glycerol.                                                                                                                  |
| <b>Molecular Mass</b>   | 73.7/39.90 kDa                                                                                                                                                                                   |
| <b>Purity</b>           | >95% by SDS-PAGE                                                                                                                                                                                 |
| <b>Storage</b>          | Store at -80centigrade. Thaw quickly and store on ice before use. Avoid repeated freezing and thawing cycles.                                                                                    |

## GENE INFORMATION

|                        |                                                             |
|------------------------|-------------------------------------------------------------|
| <b>Gene Name</b>       | PRMT5 protein arginine methyltransferase 5 [ Homo sapiens ] |
| <b>Official Symbol</b> | PRMT5                                                       |

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>            | PRMT5; protein arginine methyltransferase 5; HRMT1L5, SKB1, skb1 (S. pombe) homolog , SKB1 homolog (S. pombe); protein arginine N-methyltransferase 5; SKB1Hs; SKB1 homolog; jak-binding protein 1; 72 kDa ICln-binding protein; HMT1 hnRNP methyltransferase   |
| <b>Gene ID</b>             | <a href="#">10419</a>                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>         | <a href="#">NM_001039619</a>                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>      | <a href="#">NP_001034708</a>                                                                                                                                                                                                                                    |
| <b>MIM</b>                 | <a href="#">604045</a>                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | <a href="#">O14744</a>                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 14q11.2                                                                                                                                                                                                                                                         |
| <b>Pathway</b>             | E2F transcription factor network, organism-specific biosystem; Gene Expression, organism-specific biosystem; Metabolism of non-coding RNA, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem; Signali |
| <b>Function</b>            | histone-arginine N-methyltransferase activity; methyltransferase activity; protein binding; protein-arginine omega-N symmetric methyltransferase activity; ribonucleoprotein complex binding; transferase activity;                                             |