

**PRODUCT INFORMATION**

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| <b>Tag</b>                              | C-Flag Tag   |
| <b>Target</b>                           | MTR1L  |
| <b>Synonyms</b>                         | H9, Mel1c  |
| <b>Description</b>                      | Human MTR1L full length protein-synthetic nanodisc   |
| <b>Delivery</b>                         | 6~8weeks   |
| <b>Uniprot ID</b>                       | Q13585   |
| <b>Expression Host</b>                  | HEK293   |
| <b>Protein Families</b>                 | GPCR,Transmembrane,Druggable Genome,   |
| <b>Protein Pathways</b>                 | GPCRDB Class A Rhodopsin-like,Cell Cycle,  |
| <b>Molecular Weight</b>                 | The human full length MTR1L protein has a MW of 67.4kDa  |
| <b>Formulation &amp; Reconstitution</b> | Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.       |
| <b>Storage &amp; Shipping</b>           | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.  |
| <b>Background</b>                       | This gene product belongs to the G-protein coupled receptor 1 family. Even though this protein shares similarity with the melatonin receptors, it does not bind melatonin, however, it inhibits melatonin receptor 1A function through heterodimerization. Polymorphic variants of this gene have been associated with bipolar affective disorder in women. [provided by RefSeq, Jan 2010] |
| <b>Usage</b>                            | Research use only  |
| <b>Conjugate</b>                        | Unconjugated   |

