PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Target	MTR1B
Synonyms	FGQTL2, MEL-1B-R, MT2
Description	Human MTR1B-Strep full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	P49286
Expression Host	HEK293
Protein Families	Transmembrane,Druggable Genome,
Protein Pathways	GPCRDB Class A Rhodopsin-like,Small ligand GPCRs,Cancer,
Molecular Weight	The human full length MTR1B-Strep protein has a MW of 40.2 kDa
Formulation & Reconstitution	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.
Storage & Shipping	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.
Background	This gene encodes one of two high affinity forms of a receptor for melatonin, the primary hormone secreted by the pineal gland. This gene product is an integral membrane protein that is a G-protein coupled, 7-transmembrane receptor. It is found primarily in the retina and brain although this detection requires RT-PCR. It is thought to participate in light-dependent functions in the retina and may be involved in the neurobiological effects of melatonin. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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