

MTR-1A Peptide

Subcategory: Blocking Peptide, Synthetic Peptide

Cat. No.: 350570

Unit: 0.1 mg

Description:

Melatonin receptor-1A (MTR-1A) is a high affinity receptor for melatonin, which mediates the reproductive and circadian actions of melatonin. MTR-1A activity is mediated by pertussis toxin sensitive G-proteins that inhibit adenylate cyclase activity. MTR-1A is expressed in hypophyseal pars tuberalis and hypothalamic suprachiasmatic nuclei (SCN). MTR-1A belongs to the G-protein coupled receptor 1 family.

Format: Each vial contains 0.1 ml peptide in deionized water for a final concentration of 1 mg/ml. Use at 5.6 ug/ml for a 100X excess over antibody for maximum blocking effect.

Alternate Names: Melatonin receptor type 1A; Mel1a melatonin receptor; Mel-1A-R; MTNR1A; MTR1A

Accession No.: P48039

MW: 1617.0 g/mol

Sequence: The synthetic peptide used to raise the antibody Cat. No. 250761 is selected from a sequence within the C-term region of MTR-1A. For blocking experiments, a 10 to 100 fold molar excess to antibody is recommended.

Composition: C76H121N21O18

Purity: Purity > 80% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.