

HDFP1069

Product Information

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|---------------------|----------|-------------------------|------------------|--------------|------|
| Product SKU: | HDFP1069 | Expression Host: | HEK293 | Size: | 10µg |
| Target: | MC3R | Tag: | C-Flag&Strep Tag | | |

Additional Information

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|--------------------------|---|--------------------|--------|
| Conjugate: | Unconjugated | Uniprot ID: | P41968 |
| Molecular Weight: | The human full length MC3R-Strep protein has a MW of 36 kDa | | |

Protein Information

Background: This gene encodes a G-protein-coupled receptor for melanocyte-stimulating hormone and adrenocorticotrophic hormone that is expressed in tissues other than the adrenal cortex and melanocytes. This gene maps to the same region as the locus for benign neonatal epilepsy. Mice deficient for this gene have increased fat mass despite decreased food intake, suggesting a role for this gene product in the regulation of energy homeostasis. Mutations in this gene are associated with a susceptibility to obesity in humans. [provided by RefSeq, Jul 2008]

Synonyms: BMIQ9, MC3, MC3-R, OB20, OQTL

Protein Description: Human MC3R-Strep full length protein-synthetic nanodisc

Formulation: 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.

Protein Pathways: GPCRDB Class A Rhodopsin-like, Peptide GPCRs, Metabolic and Obesity.

Protein Families: GPCR, Transmembrane, Druggable Genome.

Usage: Research use only

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.

Contact Details | Dublin, Ireland

Email: techsupport@assaygenie.com | **Web:** www.assaygenie.com

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