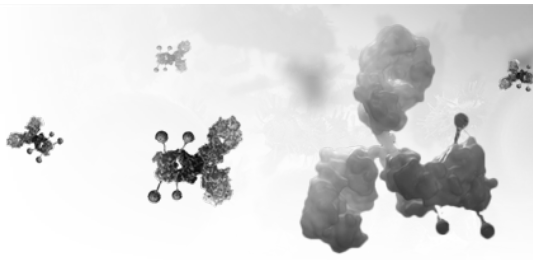

MC3R blocking peptide (DAG-P0786)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a G-protein-coupled receptor for melanocyte-stimulating hormone and adrenocorticotropic 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]
Specificity	Brain, placental, and gut tissues.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the G-protein coupled receptor 1 family.
Format	Liquid
Buffer	Preservative: None Constituents: dH2O
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: None Constituents: dH2O

GENE INFORMATION

Gene Name	MC3R melanocortin 3 receptor [Homo sapiens (human)]
Official Symbol	MC3R
Synonyms	MC3R; melanocortin 3 receptor; MC3; OB20; OQTL; BMIQ9; MC3-R; melanocortin receptor 3;

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	obesity quantitative trait locus;
Entrez Gene ID	4159
mRNA Refseq	NM_019888.3
Protein Refseq	NP_063941.3
UniProt ID	P41968
Chromosome Location	20q13.2-q13.3
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem; Peptide GPCRs, organism-specific biosystem; Peptide GPCRs, organism-specifi
Function	melanocortin receptor activity; melanocyte-stimulating hormone receptor activity; neuropeptide binding; peptide hormone binding; protein binding;

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