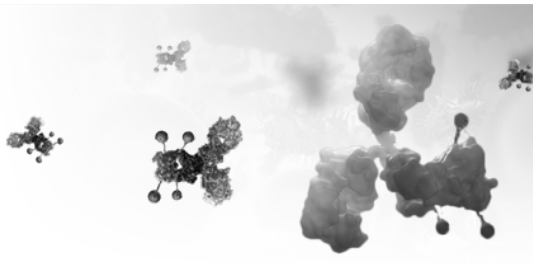

Human HTR3A peptide (DAG-P1333)

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

PRODUCT INFORMATION

Antigen Description	The product of this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit A of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor causes fast, depolarizing responses in neurons after activation. It appears that the heteromeric combination of A and B subunits is necessary to provide the full functional features of this receptor, since either subunit alone results in receptors with very low conductance and response amplitude. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
Specificity	Expressed in cerebral cortex, amygdala, hippocampus, and testis. Detected in monocytes of the spleen and tonsil, in small and large intestine, uterus, prostate, ovary and placenta.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the ligand-gated ion channel (TC 1.A.9) family. 5-hydroxytryptamine receptor (TC 1.A.9.2) subfamily. HTR3A sub-subfamily.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	HTR3A 5-hydroxytryptamine (serotonin) receptor 3A, ionotropic [Homo sapiens (human)]
Official Symbol	HTR3A
Synonyms	HTR3A; 5-hydroxytryptamine (serotonin) receptor 3A, ionotropic; HTR3; 5HT3R; 5-HT-3; 5-

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	HT3A; 5-HT3R; 5-hydroxytryptamine receptor 3A; 5-HT3-A; serotonin receptor 3A; 5HT3 serotonin receptor; 5-hydroxytryptamine receptor 3; serotonin-gated ion channel receptor;
Entrez Gene ID	3359
mRNA Refseq	NM_000869.5
Protein Refseq	NP_000860.2
UniProt ID	B4E398
Chromosome Location	11q23.1
Pathway	Ion channel transport, organism-specific biosystem; Ligand-gated ion channel transport, organism-specific biosystem; SIDS Susceptibility Pathways, organism-specific biosystem; Serotonergic synapse, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem;
Function	receptor activity; serotonin binding; serotonin receptor activity; serotonin-activated cation-selective channel activity; voltage-gated potassium channel activity;

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