CHRFAM7A Blocking Peptide (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	CHRFAM7A, Blocking Peptide
Full Product Name	CHRFAM7A Blocking Peptide (C-Term)
Product Gene Name	CHRFAM7A blocking peptide
Product Synonym Names	CHRNA7-FAM7A fusion protein; CHRNA7-DR1; D-10; CHRFAM7A
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Specificity	The synthetic peptide sequence is selected from aa 337-349 of HUMAN CHRFAM7A
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	CHRFAM7A peptide (MBS9230386) is used for blocking the activity of CHRFAM7A antibody (MBS9216081)
Molecular Weight	46,218 Da
OMIM	609756
Cellular Location	Membrane; Multi-pass membrane protein
Tissue Location	Expressed in hippocampus.
Related Product Information for CHRFAM7A blocking peptide	MBS9230386 is a blocking peptide targeting CHRFAM7A. Also known as CHRFAM7A Blocking Peptide (C-Term).
Other Notes	Small volumes of CHRFAM7A blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CHRFAM7A. It may not necessarily be applicable to this product.

NCBI GI #	91208254
NCBI GeneID	89832
NCBI Accession #	Q494W8.1
UniProt Primary Accession #	Q494W8
UniProt Secondary Accession #	A8KAB9
UniProt Related Accession #	Q494W8
NCBI Official Full Name	CHRNA7-FAM7A fusion protein
NCBI Official Synonym Full Names	CHRNA7 (exons 5-10) and FAM7A (exons A-E) fusion
NCBI Official Symbol	CHRFAM7A
NCBI Official Synonym Symbols	D-10; CHRNA7; CHRNA7-DR1
UniProt Protein Name	CHRNA7-FAM7A fusion protein
UniProt Synonym Protein Names	CHRNA7-DR1; D-10

Protein Family	CHRNA7-FAM7A fusion protein
UniProt Gene Name	CHRFAM7A
UniProt Entry Name	CRFM7_HUMAN
NCBI Protein Information	CHRNA7-FAM7A fusion protein
NCBI Summary for CHRFAM7A	The nicotinic acetylcholine receptors (nAChRs) are members of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. The family member CHRNA7, which is located on chromosome 15 in a region associated with several neuropsychiatric disorders, is partially duplicated and forms a hybrid with a novel gene from the family with sequence similarity 7 (FAM7A). Alternative splicing has been observed, and two variants exist, for this hybrid gene. The N-terminally truncated products predicted by the largest open reading frames for each variant would lack the majority of the neurotransmitter-gated ion-channel ligand binding domain but retain the transmembrane region that forms the ion channel. Although current evidence supports transcription of this hybrid gene, translation of the nicotinic acetylcholine receptor-like protein-encoding open reading frames has not been confirmed. [provided by RefSeq, Jul 2008]
UniProt Comments for CHRFAM7A	CHRFAM7A: Belongs to the ligand-gated ion channel (TC 1.A.9) family Protein type: Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 15q13.1
Research Articles on CHRFAM7A	**1.** Data show preferential fetal CHRFAM7A expression in the human prefrontal cortex and suggest abnormalities in the CHRFAM7A/CHRNA7 ratios in schizophrenia and bipolar disorder, due mainly to overexpression of CHRFAM7A.
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