

Product datasheet for RC223378

GPR44 (PTGDR2) (NM_004778) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR44 (PTGDR2) (NM_004778) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPR44
Synonyms:	CD294; CRTH2; DL1R; DP2; GPR44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223378 representing NM_004778 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGCCAACGCCACACTGAAGCCACTCTGCCCATCCTGGAGCAGATGAGCCGTCTCCAGAGCCACA
GCAACACCAGCATCCGCTACATCGACCACGCGCCGTGCTGCTGCACGGGCTGGCCTCGCTGCTGGGCT
GGTGGAGAATGGAGTCATCCTCTCGTGGTGGGCTGCCGCATGCGCCAGACCGTGGTCACCACCTGGGTG
CTGCACCTGGCGCTGTCGACCTGTTGGCCTCTGCTCCCTGCCCTTCTTCACTACTTCTTGGCCGTGG
GCCACTCGTGGGAGCTGGGCACCACCTTCTGCAAAGTGCCTCCATCTTCTTCTCAACATGTTTCGC
CAGCGGCTTCTGCTCAGCGCCATCAGCCTGGACCGCTGCTGCAGGTGGTGCAGCCGGTGGGCGCAG
AACCACCGCACCGTGGCCGCGGCCACAAAGTCTGCCTGGTGTCTTGGGCACTAGCGGTGCTCAACACGG
TGCCCTATTTCTGTTCCGGGACACCATCTCGCGGCTGGACGGGCGCATTATGTGCTACTACAATGTGCT
GCTCCTGAACCCGGGCTGACCGCGATGCCACGTGCAACTCGCGCCAGGCGGCCCTGGCCGTGAGCAAG
TTCCTGCTGGCCTTCTGGTGCCGCTGGCGATCATCGCTCGAGCCACGCGGCCGTGAGCCTGCGGTTGC
AGCACCGCGCCCGCGCGGCCAGGCCGCTTCTGCGCCTGGTGGCGCCGTGCTGGCCGCTTCTCGCGT
CTGCTGGGGCCCTACCACGTGTTACGCTGCTGGAGCGCGGCCGACGCAACCCGGGCTGCGGCCG
CTCGTGTGGCGGGCTGCCCTTCTGACCGCTGCTGGAGCGCGGCCGACGCAACCCGGGCTGCGGCCG
ACGTGCTCACCTGCCCGACATGCTGCGCAAGCTGCGGCCTCGCTGCGCACGGTCTGGAGAGCGTGTCT
GGTGGACGACAGCGAGCTGGGTGGCGCGGAAGCAGCCGCGCCGCCACCTCTCCACCGCCCGCTCG
GCCTCCCTTTAGCTCTCTGAGCCGCGGAGGAACCGCGGGGCCCGCGCTCTCTCGGCTGGCTGC
TGGGCAGCTGCGCAGCGTCCCGCAGACGGGCCCTGAACCGGGCGCTGAGCAGCACCTCGAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_004778.3](#)

RefSeq Size: 2910 bp

RefSeq ORF: 1188 bp

Locus ID: 11251

UniProt ID: [Q9Y5Y4](#)

Cytogenetics: 11q12.2

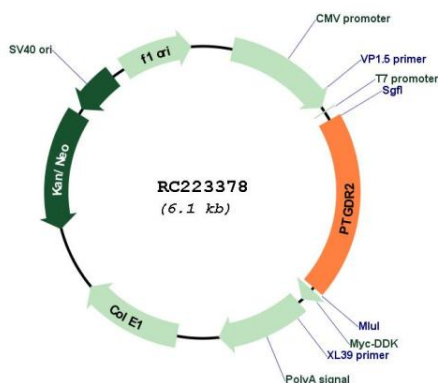
Domains: 7tm_1

Protein Families: Druggable Genome, GPCR, Transmembrane

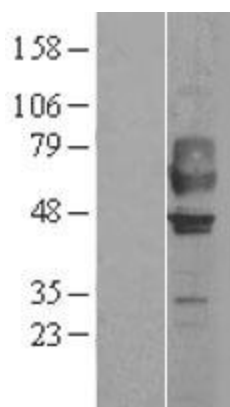
MW: 43.7 kDa

Gene Summary: This gene encodes a G-protein-coupled receptor that is preferentially expressed in CD4+ effector T helper 2 (Th2) cells. This protein is a prostaglandin D2 receptor that mediates the pro-inflammatory chemotaxis of eosinophils, basophils, and Th2 lymphocytes generated during allergic inflammation. Single nucleotide polymorphisms in the 3' UTR of this gene have been associated with asthma susceptibility.[provided by RefSeq, Mar 2011]

Product images:



Circular map for RC223378



Western blot validation of overexpression lysate (Cat# [LY401506]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223378 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).