

## Product datasheet for RC208717

## NUDT10 (NM\_153183) Human Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	NUDT10 (NM_153183) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NUDT10
Synonyms:	APS2; DIPP3-alpha; DIPP3a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RC208717 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGAAGTGCAAACCCAACCAGACACGGACCTACGACCCCGAGGGGTTCAAGAAGCGGGCGG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG <b>GTTTAA</b>
Protein Sequence:	>RC208717 protein sequence <mark>Red</mark> =Cloning site Green=Tags(s)
	MKCKPNQTRTYDPEGFKKRAACLCFRSEREDEVLLVSSSRYPDRWIVPGGGMEPEEEPGGAAVREVYEEA GVKGKLGRLLGVFEQNQDPEHRTYVYVLTVTELLEDWEDSVSIGRKREWFKVEDAIKVLQCHKPVHAEYL EKLKLGGSPTNGNSMAPSSPDSDP
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6361_h12.zip



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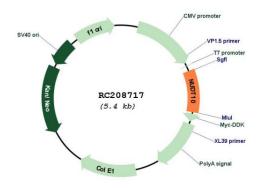
## CRIGENE NUDT10 (NM\_153183) Human Tagged ORF Clone – RC208717



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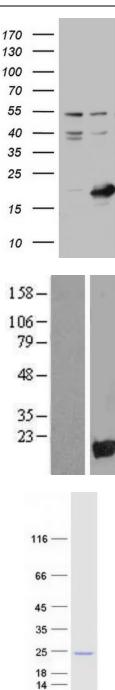
	NUDT10 (NM_153183) Human Tagged ORF Clone – RC208717
Locus ID:	170685
UniProt ID:	<u>Q8NFP7</u>
Cytogenetics:	Xp11.22
MW:	18.5 kDa
Gene Summary:	This gene is a member of the nudix (nucleoside diphosphate linked moiety X)-type motif containing family. The encoded protein is a phosphohydrolase and may regulate the turnover of diphosphoinositol polyphosphates. The turnover of these high-energy diphosphoinositol polyphosphates represents a molecular switching activity with important regulatory consequences. Molecular switching by diphosphoinositol polyphosphates may contribute to the regulation of intracellular trafficking. In some populations putative prostate cancer susceptibility alleles have been identified for this gene. Alternatively spliced transcript variants, which differ only in the 5' UTR, have been found for this gene. [provided by RefSeq, Feb 2015]

# Product images:



Circular map for RC208717

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HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY NUDT10 (Cat# RC208717, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NUDT10(Cat# [TA804324]). Positive lysates [LY407127] (100ug) and [LC407127] (20ug) can be purchased separately from OriGene.

Western blot validation of overexpression lysate (Cat# [LY407127]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208717 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified NUDT10 protein (Cat# [TP308717]). The protein was produced from HEK293T cells transfected with NUDT10 cDNA clone (Cat# RC208717) using MegaTran 2.0 (Cat# [TT210002]).

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