

## Product datasheet for RC208717

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

### **Product data:**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

| Due du et Turnes             |  |
|------------------------------|--|
| 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<br>Selection: | Neomycin   |
| Vector:                      | pCMV6-Entry (PS100001)   |
| E. coli Selection:           | Kanamycin (25 ug/mL)   |
| ORF Nucleotide<br>Sequence:  | <pre>&gt;RC208717 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>   |
|                              | TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC<br>GCC <mark>GCGATCGC</mark> C  |
|                              | ATGAAGTGCAAACCCAACCAGACACGGACCTACGACCCCGAGGGGTTCAAGAAGCGGGCGG  |
|                              | ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT<br>ACAAGGATGACGACGATAAG <b>GTTTAA</b>   |
| Protein Sequence:            | >RC208717 protein sequence<br><mark>Red</mark> =Cloning site Green=Tags(s)   |
|                              | MKCKPNQTRTYDPEGFKKRAACLCFRSEREDEVLLVSSSRYPDRWIVPGGGMEPEEEPGGAAVREVYEEA<br>GVKGKLGRLLGVFEQNQDPEHRTYVYVLTVTELLEDWEDSVSIGRKREWFKVEDAIKVLQCHKPVHAEYL<br>EKLKLGGSPTNGNSMAPSSPDSDP |
|                              | TRTRPLEQKLISEEDLAANDILDYKDDDDKV  |
| Chromatograms:               | https://cdn.origene.com/chromatograms/mk6361_h12.zip   |
|                              |  |



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

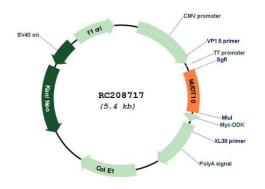
## CRIGENE NUDT10 (NM\_153183) Human Tagged ORF Clone – RC208717



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

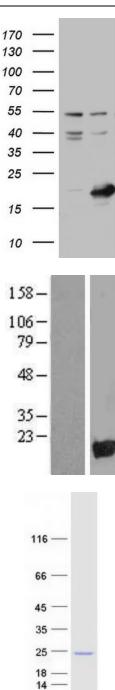
|               | NUDT10 (NM_153183) Human Tagged ORF Clone – RC208717   |
|---------------|--|
| Locus ID:     | 170685   |
| UniProt ID:   | <u>Q8NFP7</u>  |
| Cytogenetics: | Xp11.22  |
| MW:           | 18.5 kDa   |
| Gene Summary: | This gene is a member of the nudix (nucleoside diphosphate linked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

# Product images:



Circular map for RC208717

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



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]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US