

Product datasheet for RC202840

NUDT11 (NM_018159) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUDT11 (NM_018159) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NUDT11
Synonyms:	APS1; ASP1; DIPP3b; DIPP3beta; hDIPP3beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202840 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAAGTGCAAAACCAACGACGCGGACCTACGACCCGAGGGGTTCAAGAAGCGGGCGGCGTGCCTGT
 GCTTCCGAGCGAACGCGAGGACGAGGTCTGTTAGTGAGTAGCAGCCGGTACCGGACCGCTGGATCGT
 GCCGGGCGGGGCATGGAGCCGAGGAGGAGCCGGCGGTGCGGCGGTCCGAGAGGTGTACGAAGAAGCG
 GGAGTCAAGGGGAAGTTAGGCCGCTCTGGGCGTCTTGAACAGAACCAGGATCGCAAGCACAGAACGT
 ACGTGTATGTACTGACTGTCACGAGCTGCTGGAGGATTGGGAAGATTTCGTTAGCATTGGGAGGAAGCG
 AGAGTGGTTCAAAGTCGAAGATGCCATCAAGTTCTCCAGTGCCACAAGCCCGTGACGCCGAATATCTG
 GAGAACTAAAGCTGGGCGGTTCCCAACCAATGGAACTCCATGGCCCCATCCTCGCCAGATAGCGATC
 CC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC202840 protein sequence Red=Cloning site Green=Tags(s)
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MKCKPNQTRTYDPEGFKKRAACLCFRSEREDEVLVSSSRYPDRWIVPGGMEPEEPPGGAHVREYEEA
 GVKGKLGRLGVFEQNQRKHRTYVYVLVTTELLEDWEDSVSIGRKREWFVEDAIKVLQCHKPVHAEYL
 EKLKLGSPNTNGNSMAPSSPDSDF

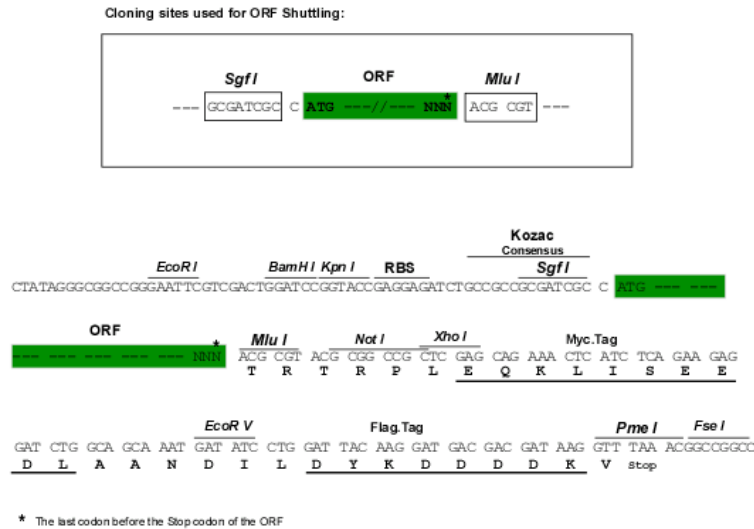
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:	https://cdn.origene.com/chromatograms/mk6575_f08.zip
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[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018159

ORF Size: 492 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_018159.4](#)

RefSeq Size: 2413 bp

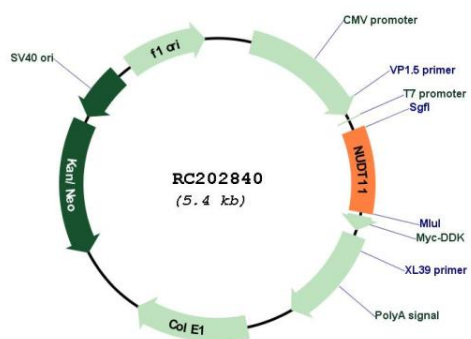
RefSeq ORF: 495 bp

Locus ID: 55190

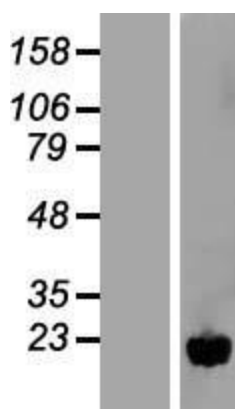
UniProt ID: [Q96G61](#)

Cytogenetics:	Xp11.22
Domains:	NUDIX
MW:	18.6 kDa
Gene Summary:	NUDT11 belongs to a subgroup of phosphohydrolases that preferentially attack diphosphoinositol polyphosphates (Hidaka et al., 2002 [PubMed 12105228]).[supplied by OMIM, Mar 2008]

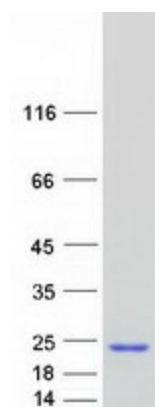
Product images:



Circular map for RC202840



Western blot validation of overexpression lysate (Cat# [LY413258]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202840 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NUDT11 protein (Cat# [TP302840]). The protein was produced from HEK293T cells transfected with NUDT11 cDNA clone (Cat# RC202840) using MegaTran 2.0 (Cat# [TT210002]).