

Product datasheet for SC322614

NUDT12 (NM_031438) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUDT12 (NM_031438) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUDT12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for SC322614

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CTGCATCCGGCTCCAGGAAAAGCGAGTGGGATATCCCAATCTTTGGACTGCATCCTGGTT
GCCTCTACTGTGGTCACCTTTGGGAAGAAATGTCTTCTGTAAAAAGAAGTCTGAAGCAAG
AAATAGTTACTCAGTTTCACTGTTCAAGTCTGAAGGAGATATTGCCAAGTTAACAGGAA
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AAATTTGGGTCAGTCTTCTCTGAACTTTTTCTCTCTCGGTTTCTTTCTCCTTCACAGT
TTTATCTCACAAAACCATTTTTCTAATAAGAGACATCATGTTGGAAGATGTTGTAGAAA
TGTGCATAAAATTCAGTGCCTCTTGTAAGCATTAACTGATGATGAAGAAAGTTCCTGAT
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CTGAGAGGTGAAAAGCTATGTAATAGAAGGAATGGCCAGTTCAAAGAATAGTAGATGT
GATAGTGCCGTGAATGTATTCTACTGAAATGAATGTAATAATACATTAATTTTTAAAA
TCTAAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** Please inquire
- ACCN:** NM_031438
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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:	<ol style="list-style-type: none">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:	<u>NM_031438.2</u> , <u>NP_113626.1</u>
RefSeq Size:	3502 bp
RefSeq ORF:	1389 bp
Locus ID:	83594
UniProt ID:	<u>Q9BQG2</u>
Cytogenetics:	5q21.2
Domains:	NUDIX, ANK
Protein Pathways:	Nicotinate and nicotinamide metabolism
Gene Summary:	Nucleotides are involved in numerous biochemical reactions and pathways within the cell as substrates, cofactors, and effectors. Nudix hydrolases, such as NUDT12, regulate the concentrations of individual nucleotides and of nucleotide ratios in response to changing circumstances (Abdelraheim et al., 2003 [PubMed 12790796]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).