

Product datasheet for **SC107391**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_031438 unedited NNNTTGGCTCTGGACCCGCGGCCGCAATCTAGNGATCGGTTTTTTTTTTTTTTTTTTAGAT TTTAAAAATTTAATGTATTATTACATTCATTTCCAGTAGAATACATTCACGGCACTATCA CATCTACTATTCTTTTGAAGTGGCCATTCTTCTATTTACATAGCTTTTACCTCTCAGA GGTTGGCAATTTAAGAGTTCTTATTTAAAATAATAATTTACCTAGATGCTGATTTTTTCCC AAGTAAGGATTAATATCCAAAACAAAATGTATAACTACACTTGTGATACTTTATATTC TACTTTTCTATTTAACATTATGAAAACCTGGAATTTTACAATGTAATCTTAGAATCTGC AAGTATTTAAAAGTACATTTAGAGTAAAACCTGAATTTCAAGATGCTCTATTCATAATAAT CAAGGTACATTAGTTTCCATATACTTATGTAGCTCGAATTTTTATTATGTATCTAAATGTC CTCTGTCAGTTTTAATTTGGTTTAAATTTCTTGATACCAATAAGCCTTCATCAATTCCTAA GAAAATCACTGCTCATTAGTAAAATAAAGTTTTATCTGACAGTTATCTTTTATTTAAGTT AAATAAATGTTAAGTATCTAAAATTTTAAATTAACAATATTTGGTAAATTAATTTATTCT TATCATTCCTCTTTAATTTTGGCTATATATNTTAGTAATAGCTTCTAGTTCCTTT TACAGGGAGAATCGTCTCTGCATTATATAGTACAGACTGTTGTAATTAGTTATGTAAC TTTCACTAATTAGTAAATTCACCTTTACAATTTCTTTTNCCTTATCTATAAAAATAAGGA AAGCTATTTTCATATATTATCCTTAAGGGCTCTGTAGCTCTAGCATACATTAGTAAAGAT GCAATTATACACATTTGATATTCATAACCTTA
Restriction Sites:	NotI-NotI
ACCN:	NM_031438
Insert Size:	3510 bp
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).
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:	NM_031438.2 , NP_113626.1
RefSeq Size:	3502 bp
RefSeq ORF:	1389 bp
Locus ID:	83594
UniProt ID:	Q9BQG2
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).