

Product datasheet for **SC127150**

NUDT3 (NM_006703) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUDT3 (NM_006703) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUDT3
Synonyms:	DIPP; DIPP-1; DIPP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127150 sequence for NM_006703 edited (data generated by NextGen Sequencing) ATGATGAAGCTCAAGTCAACCAGACCCGCACCTACGACGGCGACGGCTACAAGAAGCGG GCCGCATGCCTGTGTTTCCGCAGCGAGAGCGAGGAGGTGCTACTCGTGAGCAGTAGT CGCCATCCAGACAGATGGATTGTCCCTGGAGGAGGCATGGAGCCCGAGGAGGAGCAAGT GTGGCAGCAGTTCGTGAAGTCTGTGAGGAGGCTGGAGTAAAAGGGACATTGGGAAGATTA GTTGGAATTTTTGAGAACCAGGAGAGGAAGCACAGGACGTATGTCTATGTGCTCATTGTC ACTGAAGTGCTGGAAGACTGGGAAGATTCAAGTTAACATTGGAAGGAAGAGGGAATGGTTT AAAATAGAAGACGCCATAAAAGTGCTGCAGTATCACAAACCCGTGCAGGCATCATATTTT GAAACATTGAGGCAAGGCTACTCAGCCAACAATGGCACCCAGTCGTGGCCACCACATAC TCGGTTTCTGCTCAGAGCTCGATGTCAGGCATCAGATGA Clone variation with respect to NM_006703.3 >OriGene 5' read for NM_006703 unedited CACGAGGCGGGCCCGNAGATGATGAAGCTCAAGTCAACCAGACCCGCACCTACGACGG CGACGGCTACAAGAAGCGGGCCGCATGCCTGTGTTTCCGCAGCGAGAGCGAGGAGGAGGT GCTACTCGTGAGCAGTAGTCGCCATCCAGACAGATGGATTGTCCCTGGAGGAGGCATGGA GCCCCGAGGAGGAGCAAGTGTGGCAGCAGTTTCGTGAAGTCTGTGAGGAGGCTGGAGTAAA AGGGACATTGGGAAGATTAGTTGGAATTTTTGAGAACCAGGAGAGGAAGCACAGGACGTA TGTCTATGTGCTCATTGTCACTGAAGTGCTGGAAGACTGGGAAGATTCAAGTTAACATTGG AAGGAAGAGGGAATGGTTTAAAAATAGAAGACGCCATAAAAGTGCTGCAGTATCACAAACC CGTGCAGGCATCATATTTTGAACATTGAGGCAAGGCTACTCAGCCAACAATGGCACCCC AGTCGTGGCCACCACATACTCGGTTTCTGCTCAGAGCTCGATGTCAGGCATCAGATGACT GAAGACTTCCTGTAAGAGAATGGGAATTGGAACTAGACTGAAGTGCANATCTTCCC
5' Read Nucleotide Sequence:	
Restriction Sites:	NotI-NotI



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ACCN:	NM_006703
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:	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_006703.2</u> , <u>NP_006694.1</u>
RefSeq Size:	1371 bp
RefSeq ORF:	519 bp
Locus ID:	11165
UniProt ID:	<u>O95989</u>
Cytogenetics:	6p21.31
Domains:	NUDIX
Gene Summary:	NUDT3 belongs to the MutT, or Nudix, protein family. Nudix proteins act as homeostatic checkpoints at important stages in nucleoside phosphate metabolic pathways, guarding against elevated levels of potentially dangerous intermediates, like 8-oxo-dGTP, which promotes AT-to-CG transversions (Safrany et al., 1998 [PubMed 9822604]).[supplied by OMIM, Feb 2011]