

Product datasheet for **RN202583**

Nutf2 (NM_001007629) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nutf2 (NM_001007629) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nutf2
Synonyms:	NTF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN202583 representing NM_001007629 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGAGACAAGCCAATTTGGGAGCAGATTGGATCCAGCTTTATTCAGCATTACTATCAGTTATTTGATA
ACGACAGAACCCAACTAGGCGCAATTTACATTGATGCGTCATGCCTTACGTGGGAAGGACAGCAATTCCA
GGGCAAAGCTGCCATTGTGGAGAAGCTATCTAGCCTTCCGTTCCAGAAAATTCAGCATAGTATCACGGCG
CAGGACCATCAGCCTACACCAGATAGCTGCATCATCAGCATGGTTGTAGCCAGCTCAAGGCTGATGAAG
ATCCCATCATGGGTTTCCACCAGATGTTTCTATTAAGAACATCAATGACGCTTGGGTTTGCACCAATGA
CATGTT**CAGGCTTGCCTGCACAACTTCGGCTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001007629
Insert Size:	384 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).



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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_001007629.1</u> , <u>NP_001007630.1</u>
RefSeq Size:	1977 bp
RefSeq ORF:	384 bp
Locus ID:	291981
UniProt ID:	<u>P61972</u>
Cytogenetics:	19q12
Gene Summary:	Mediates the import of GDP-bound RAN from the cytoplasm into the nucleus which is essential for the function of RAN in cargo receptor-mediated nucleocytoplasmic transport. Thereby, plays indirectly a more general role in cargo receptor-mediated nucleocytoplasmic transport. Interacts with GDP-bound RAN in the cytosol, recruits it to the nuclear pore complex via its interaction with nucleoporins and promotes its nuclear import. [UniProtKB/Swiss-Prot Function]