

Product datasheet for RC224002

NNT (NM_012343) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NNT (NM_012343) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NNT
Synonyms:	GCCD4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224002 representing NM_012343 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAAACCTATTGAAAACAGTGGTACTGGCTGCTCGTCTACTTAGCAATTTGGGGTCTGTA
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Protein Sequence:

>RC224002 representing NM_012343
 Red=Cloning site Green=Tags(s)

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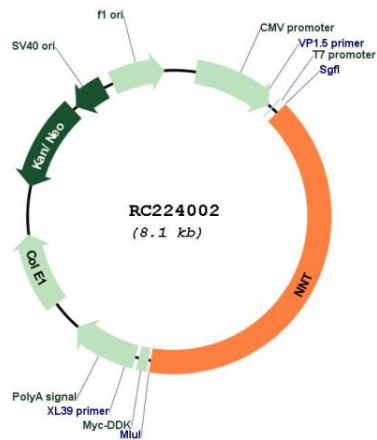
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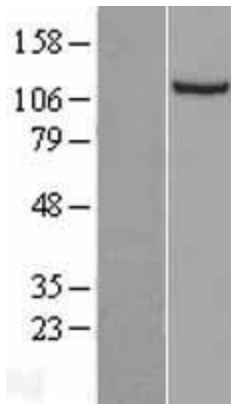
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UniProt ID: [Q13423](#)
Cytogenetics: 5p12
Domains: PNTB, AlaDh_PNT_C, AlaDh_PNT_N
Protein Families: Transmembrane
Protein Pathways: Metabolic pathways, Nicotinate and nicotinamide metabolism
MW: 113.7 kDa
Gene Summary: This gene encodes an integral protein of the inner mitochondrial membrane. The enzyme couples hydride transfer between NAD(H) and NADP(+) to proton translocation across the inner mitochondrial membrane. Under most physiological conditions, the enzyme uses energy from the mitochondrial proton gradient to produce high concentrations of NADPH. The resulting NADPH is used for biosynthesis and in free radical detoxification. [provided by RefSeq, Sep 2016]

Product images:



Circular map for RC224002



Western blot validation of overexpression lysate (Cat# [LY402197]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224002 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).