

Product datasheet for RN214825

Naxe (NM_001106440) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Naxe (NM_001106440) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Naxe
Synonyms:	AI-BP; Apoa1bp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN214825 representing NM_001106440 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGGCCGGTTGAGCTGTGCCACGGCCATTGCCAAGGCTTATCCCCCACGTCTATGTCCAAGA
GTCCCCGACTGTCTTGGTCATCTGTGGCCCCGAAATAACGGAGGGGATGGGCTGGTCTGTGCGGACA
CCTCAAACCTTTTGGTTACCAGCCAATCTATTACCCAAAAGACCTAACAAACCACTTTCCTACTGG
CTAGTGACTCAGTGTGAGAAAATGGACATCCCTTTCCTTGGTCAAATGCCCCAGAGCCCATGATGGTGG
ATGAGCTGTATGAATTGGTGGTGGATGCCATCTTCGGCTTCAGTTCAAGGGCGATGTTCCGGAGCCGTT
CCACAGTATCCTGAGTGTCTTGGTGGACTCACTGTGCCATCGCTAGCATCGATATTCTTCAGGATGG
GATGTAGAGAAGGAAACCTAGTGAATCCAACCAGACTTACTCATCTCACTGACGGCACCCAAGAAGT
CTGCAACTCAGTTTACTGGCCGATATCATTACCTCGGAGGGCGTTTTGTACCACCTGCTCTAGAAAAGAA
GTACCAGCTGAACCTGCCAGCCTACCCTGACACAGAGTGTGTCTACCGTCTTCAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001106440
Insert Size:	618 bp



[View online »](#)

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:	<u>NM_001106440.1, NP_001099910.1</u>
RefSeq Size:	1019 bp
RefSeq ORF:	618 bp
Locus ID:	295229
Cytogenetics:	2q34
Gene Summary:	Catalyzes the epimerization of the S- and R-forms of NAD(P)HX, a damaged form of NAD(P)H that is a result of enzymatic or heat-dependent hydration. This is a prerequisite for the S-specific NAD(P)H-hydrate dehydratase to allow the repair of both epimers of NAD(P)HX. [UniProtKB/Swiss-Prot Function]