

Product datasheet for **SC310655**

NKAIN1 (NM_024522) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NKAIN1 (NM_024522) Human Untagged Clone
Tag:	Tag Free
Symbol:	NKAIN1
Synonyms:	FAM77C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310655 representing NM_024522. Blue=Insert sequence Red=Cloning site Green=Tag(s)

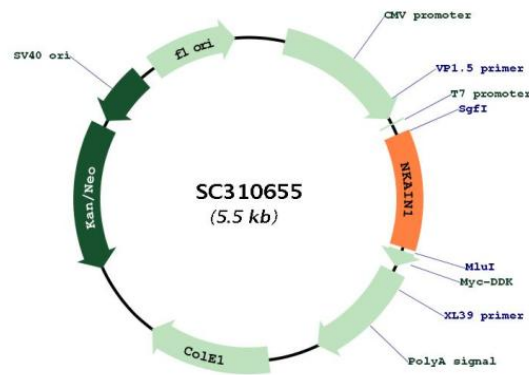
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCAAGTGCAGCGGGCGCTGCACGCTGGTCGCCTTCTGCTGCCTGCAGCTGGTGGCTGCGCTGGAG
CGGCAGATCTTTGACTTCCTGGGCTACCAGTGGGCTCCCATCCTAGCCAACCTCCTGCACATCATGGCA
GTCATCCTGGGCATCTTTGGCACCGTGCAGTACCGCTCCCGGTACCTCATCCTGTATGCAGCCTGGCTG
GTGCTCTGGGTTGGCTGGAATGCATTTATCATCTGCTTCTACTTGGAGGTTGGACAGCTGTCCAGGAC
CGGGACTTCATCATGACCTTCAACACATCCCTGCACCGCTCCTGGTGGATGGAGAATGGGCCAGGCTGC
CTGGTGACACCTGTTCTGAACCTCCGCCTGGCTCTGGAGGACCACCATGTCATCTCTGCACTGGCTGC
CTGCTTGACTACCCCTACATTGAAGCCCTCAGCAGCGCCCTGCAGATCTTCTGGCACTGTTCCGGCTTC
GTGTTCCGCTGCTACGTGAGCAAAGTGTTCCTGGAGGAGGAGGACAGCTTTGACTTCATCGCGGCTTT
GACTCCTACGGATACCAGGCGCCCCAGAAGACGTGCGATTTACAGCTGCAGCCTCTGTACACGTCGGGG
TAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



[View online »](#)

Plasmid Map:



ACCN: NM_024522

Insert Size: 624 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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: [NM_024522.2](#)

RefSeq Size:	2930 bp
RefSeq ORF:	624 bp
Locus ID:	79570
UniProt ID:	Q4KMZ8
Cytogenetics:	1p35.2
Protein Families:	Transmembrane
MW:	23.6 kDa
Gene Summary:	NKAIN1 is a member of a family of mammalian proteins with similarity to Drosophila Nkain and interacts with the beta subunit of Na,K-ATPase (ATP1B1; MIM 182330) (Gorokhova et al., 2007 [PubMed 17606467]).[supplied by OMIM, Jun 2009]