

## Product datasheet for SC333552

### NKAIN2 (NM\_001300740) Human Untagged Clone

#### Product data:

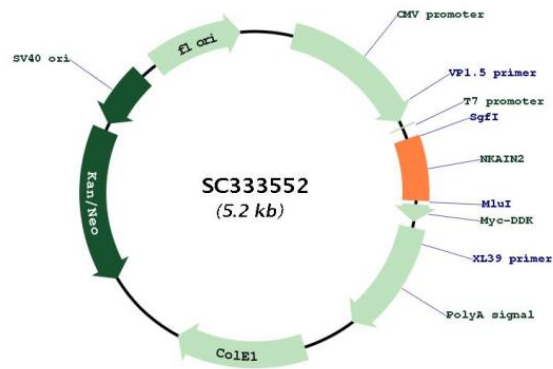
Product Type:	Expression Plasmids
Product Name:	NKAIN2 (NM_001300740) Human Untagged Clone
Tag:	Tag Free
Symbol:	NKAIN2
Synonyms:	FAM77B; NKAIP2; TCBA; TCBA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333552 representing NM_001300740. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCACCGATCTTGGTGGATGGAGAATGGACCAGGATGTACGGTGACGTCACTGACACCTGCCCCAGAC
TGGGCCCCAGAAGACCATCGCTACATCACGGTCTCAGGGTGTGGTGGAGTACCAGTACATAGAAGTG
GCTCATAGTTCCTCCAGATTGCCTCGCACTGGCAGGTTTCATCTACGCCTGTTATGTTGTGAAATGT
ATAACTGAAGAAGAGGACAGCTTTGATTTTCATAGGTGGCTTTGACTCTTATGGCTATCAAGGCCTCAG
AAGACATCTCATTACAACACTACGCCTATGTACATGTCAAAATAA
ACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_001300740

**Insert Size:** 321 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).

**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\\_001300740.1](#)

RefSeq Size: 3031 bp

RefSeq ORF: 321 bp

Locus ID: 154215

UniProt ID: [Q5VXU1](#)

Cytogenetics: 6q22.31

Protein Families: Transmembrane

MW: 12 kDa

**Gene Summary:** This gene encodes a transmembrane protein that interacts with the beta subunit of a sodium/potassium-transporting ATPase. A chromosomal translocation involving this gene is a cause of lymphoma. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2014]  
Transcript Variant: This variant (5) represents use of an alternate promoter and therefore differs in the 5' UTR and 5' coding region, compared to variant 1. These differences cause translation initiation at a downstream start codon and result in an isoform (5) with a shorter N-terminus, compared to isoform 1.