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Product datasheet for SC328215

NKAIN2 (NM_153355) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NKAIN2 (NM_153355) 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:	>SC328215 representing NM_153355. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGGTTATTGCAGTGGCAGGTGCACGCTTATCTTTATCTGTGGCATGCAACTGGTTTGTGTGCTGGAG AGGCAAATATTTGACTTCCTTGGATATCAGTGGGCACCTATCCTGGCAAATTTTGTACATATTATTATC GTCATTCTTGGTTTGTTTGGAACTATTCAATATAGACCTCGTTACATAACAGGATATGCTGTCTGGCTA GTCCTCTGGGTTACGTGGAATGTGTTTGTTATCTGCTTCTATTTGGAGGCTGGGGACCTCTCAAAGCTG GCAGGTTTCATCTACGCCTGTTATGTTGTGAAATGTATAACTGAAGAAGAGGACAGCTTTGATTTCATA GGTGGCTTTGACTCTTATGGCTATCAAGGGCCTCAGAAGACATCTCATTTACAACTACAGCCTATGTAC ATGTCAAAATAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

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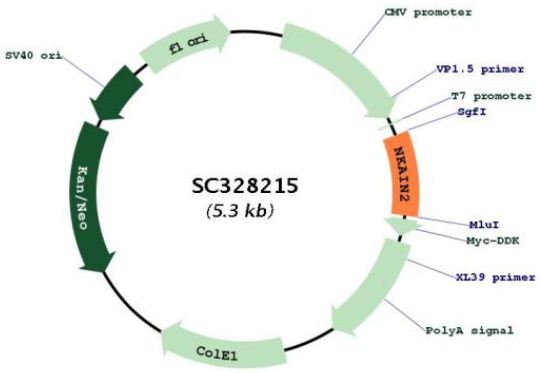
Plasmid Map:



ACCN:	NM_153355
Insert Size:	426 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_153355.4
RefSeq Size:	3192 bp
RefSeq ORF:	426 bp
Locus ID:	154215
UniProt ID:	Q5VXU1
Cytogenetics:	6q22.31
Protein Families:	Transmembrane
MW:	16.3 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 (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.