

Product datasheet for **MC210221**

Fndc4 (NM_022424) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fndc4 (NM_022424) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fndc4
Synonyms:	2810430J06Rik; 6330410H20Rik; AB030187; AI838506; AW487863; Fnmp1; FRCP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022424, the custom clone sequence may differ by one or more nucleotides

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ATGCCTCTGGCCCTCCAGCGAACTCGGTGAAAACCATGGCTTCTTTGATGCCTCTTTCCCATATCTGA  
GTCCCACGGTCTCCTGCTGGTCAGCTGTGACCTGGGTTTTGTGCGAGCAGACCGACCTCCCTCTCCTGT  
GAATGTGACGGTCACTCATCTCAGACCAACTCAGCCACTGTGCTCCTGGGACGTTCCAGAAGGCAACATC  
GTCATTGGCTACTCCATTTCCAGCAACGACAGAATGGCCCGGGCAGCGTGAATCAGAGAAGTGAACA  
CCACCACAGGGCCTGCGCTCTCTGGGGCCTGGCTGAAGACAGTGACTACACAGTGCAGGTTAGGAGCAT  
CGGCCTCCGGGAGAGAGCCCTCCAGGGCCCCGTGTCACCTCCGCACGCTCAAGGGTTCTGACAGGCTG  
CCCTCCAACAGCTCCAGTCCAGGTGATATTACAGTGGAGGTCTGGATGGAGAGCGCCATTGCAGACAG  
GGGAAGTCGTATCATTGTAGTGGTATTGCTCATGTGGGCTGCTGTAATCGGGCTATTCTGCCGTACGTA  
TGACATCATCAAGGACAACGACTCCAACAACAACCCCAAGGAGAAGGGGAAGGGGCTGAACAGAGTCTC  
CAGGGAAGGCCAGTGGGACAACAAGACAGAAAAAGTCTCCATCAATCAACACCATTGATGTTTGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_022424
Insert Size:	696 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).



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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:	BC139278 , AAI39279
RefSeq Size:	1567 bp
RefSeq ORF:	696 bp
Locus ID:	64339
UniProt ID:	Q3TR08
Cytogenetics:	5 B1
Gene Summary:	<p>Acts as an anti-inflammatory factor in the intestine and colon. Binds to and acts on macrophages to downregulate pro-inflammatory gene expression. Affects key macrophage functions, including phagocytosis, by downregulating many key pathways for macrophage activation, partly via by STAT3 activation and signaling. May be required to dampen the immunological response in colitis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice junction in the 3' end of the coding sequence compared to variant 1, that causes a frameshift. The resulting isoform (b) has a shorter and distinct C-terminus compared to isoform a. Variants 2 and 3 both encode the same isoform (b).</p>