

Product datasheet for **SC328236**

FNDC5 (NM_001171941) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FNDC5 (NM_001171941) Human Untagged Clone
Tag:	Tag Free
Symbol:	FNDC5
Synonyms:	FRCP2; irisin
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001171941 edited ATGCTGCGCTTCATCCAGGAGGTGAACACCACCACCCGCTCATGTGCCCTCTGGGACCTG GAGGAGGATACGGAGTACATAGTCCACGTGCAGGCCATCTCCATTGAGGGCCAGAGCCCA GCCAGCGAGCCTGTGCTCTTCAAGACCCCGCGTGAGGCTGAGAAGATGGCCTCCAAGAAC AAAGATGAGGTAACCATGAAAGAGATGGGGAGGAACCAACAGCTGCGGACAGCGAGGTG CTGATCATCGTCGTGGTCTGTTTCATGTGGGCAGGTGTCATTGCCCTCTTCTGCCCCAG TATGACATCATCAAGGACAATGAACCCAATAACAACAAGGAAAAACCAAGAGTGATCA GAAACCAGCACACCAGAGCACCAGGGCGGGGGCTTCTCCGCAGCAAGGTGAGGGCAAGA CCTGGGCTGGGTGGGCCACCCTGTGCCTCATGCTCTGGTAA
Restriction Sites:	Please inquire
ACCN:	NM_001171941
Insert Size:	500 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).



[View online »](#)

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_001171941.1](#), [NP_001165412.1](#)

RefSeq Size: 3035 bp

RefSeq ORF: 462 bp

Locus ID: 252995

UniProt ID: [Q8NAU1](#)

Cytogenetics: 1p35.1

Protein Families: Transmembrane

Gene Summary: This gene encodes a secreted protein that is released from muscle cells during exercise. The encoded protein may participate in the development of brown fat. Translation of the precursor protein initiates at a non-AUG start codon at a position that is conserved as an AUG start codon in other organisms. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]

Transcript Variant: This variant (1) represents the longest transcript and encodes the shortest 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.