

Product datasheet for SC110795

WFDC3 (NM_181522) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WFDC3 (NM_181522) Human Untagged Clone
Tag:	Tag Free
Symbol:	WFDC3
Synonyms:	dj447F3.3; OTTHUMP00000196627; protease inhibitor WAP14; WAP14; WAP14, dj447F3.3; WAP four-disulfide core domain 3; whey acidic protein 14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110795 sequence for NM_181522 edited (data generated by NextGen Sequencing) ATGGATGAGAATTGTCAAGCTGGAGAAAAATGTTGCAAGTCAGGCTGTGGCCGCTTCTGT GTCCCACCAGTCTGCCCAAACTGACCATGAACCCCACTGGACTGTGAGGTCTGAT TCCGAATTAGAGATCCCGGTGCCCTAG

Clone variation with respect to NM_181522.1

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_181522 unedited AATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGTGCTCGTCCGCCCGGAAGC GCGACGCTGGAGCTGCGGGTTACCATGGGAACCGAACCGCCGCTCGCCAGGACAG TTACACTTAGAGGCCTTGGAGGAAAAGAGATTGCCCTAGGTTATTCGGAACAATCCTG TTTGAAAAGGTGCATCACTGATGAGACATGTCCAGGTGTAAGAAATGCTGCACGCTTGG CTGCAACAAGAGCTGTGTAGTCCCAATCTCTAAACAGAAGCTGGGGCGGGCGGTGATTG TCCAAAAGTTCTGGTGGCCTGTGCATTGTTGGCTGTGTGATGGATGAGAATTGTCAAGC TGGAGAAAAATGTTGCAAGTCAGGCTGTGGCCGCTTCTGTGTCCCACCAGTCTGCCCCC AAAAGTACCATGAACCCCACTGGACTGTGAGGTCTGATTCCGAATTAGAGATCCCGGT GCCCTAGCTGTGCTGATTGTCTGGAGCTTCTTTGGAAGAGGACACCCACCTGGTACCT GGTCCCTGGCGAGAGGCTGGAGTGAAGTANCATGATCTCGGCTCACTGCAACATCCACCC CCTGGATTCAAGCAATTCTCCTGCCTCAATATTNTAGCATTNTATCCTTTCTCGTCTCAT TAAAAGGTGACAGNCAGAAAAGTACTCTTTTTTCATTGTGTCTCCAGTATCCTTATGA CTTGATAGCCCTACTGACTACTGATCTTNCACCATCTCTGCTGGATGACTGAAAGAGAA CTCCAGCAGAAATTGCAGAAATCCATAGCATTGTATTNTGACAGTTTATTCTGGCTCATT GGGCCAATNNCTGCTCTTACTTTTCATCTTATTACTCCTGGGGAGAGTGGACTATCATCAT AAG
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Restriction Sites:	NotI-NotI
ACCN:	NM_181522
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:	<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:	NM_181522.1 , NP_852663.1
RefSeq Size:	776 bp
RefSeq ORF:	147 bp
Locus ID:	140686
Cytogenetics:	20q13.12
Protein Families:	Secreted Protein
Gene Summary:	<p>This gene encodes a member of the WAP-type four-disulfide core (WFDC) domain family. The WFDC domain, or WAP signature motif, contains eight cysteines forming four disulfide bonds at the core of the protein, and functions as a protease inhibitor. The encoded protein contains four WFDC domains. Most WFDC genes are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. This gene belongs to the telomeric cluster. Alternatively spliced transcript variants have been observed but their full-length nature has not been determined. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks two internal exons, and uses a downstream translation start codon, as compared to variant 1. It encodes isoform 2, which lacks the signal peptide and WFDC domains.</p>