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Product datasheet for SC113971

WDR8 (WRAP73) (NM_017818) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR8 (WRAP73) (NM_017818) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR8
Synonyms:	WDR8
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC113971 sequence for NM_017818 edited (data generated by NextGen Sequencing)

ATGAACTTCTCCGAGGTATTCAAGCTCTCCAGCTTACTCTGCAAGTTCTCCCCGGACGGC
AAGTACCTGGCTTCCTGTGTCCAGTACCGGTTAGTGGTCCGGGATGTGAACACCCTTCAG
ATCCTTCAGCTGTACACGTGCCTAGACCAGATCCAGCACATCGAGTGGTCGGCAGACTCG
CTCTTCATCCTGTGCGCCATGTACAAGCGAGGGCTGGTGCAGGTCTGGTCTTTAGAGCAG
CCCGAATGGCACTGCAAAATAGACGAGGGCTCAGCCGGGCTGGTGGCCTCGTGCTGGAGC
CCGGACGGGCGCCACATTCTCAACACCACGGAATTCCATCTGCGGATAACCGTCTGGTCC
TTGTGCACAAAATCCGTGTCTTACATCAAATACCCGAAAGCTTGTCTGCAGGGAATCACC
TTCACCAGGGACGGCCGCTACATGGCGCTGGCAGAACGGCGCGACTGCAAAGATTACGTG
AGCATCTTCGTCTGCAGTGATTGGCAGCTCCTGCGGCATTTTGATACGGACACCCAGGAT
CTCACAGGGATTGAGTGGGCCCCAAACGGCTGTGTGCTGGCAGTGTGGGACACCTGCTTG
GAGTACAAGATTCTGCTGTACTCATTGGATGGCCGGTTGTTGTCCACGTACAGCGCTTAC
GAGTGGTCCCTGGGCATCAAGTCTGTGGCCTGGAGCCCCAGCAGTCAGTTCCTGGCAGTT
GGGAGCTATGATGGAAAGGTGCGCATCCTTAATCACGTGACTTGGAAAATGATCACGGAG
TTTGGGCATCCTGCAGCCATTAATGATCCCAAGATAGTGGTGTATAAGGAGGCCGAGAAG
AGCCCACAGCTGGGACTGGGCTGCCTCTCCTTCCCGCCGCCCCGGGCCGGGGCCGGCCCT
CTCCCGAGCTCAGAGAGTAAATATGAGATCGCCTCTGTCCCAGTCTCCTTACAGACACTG
AAACCTGTTACCGACAGAGCAAACCCGAAAATCGGCATAGGAATGCTGGCATTTAGTCCT
GACAGCTACTTCCTGGCGACAAGGAACGACAACATTCCCAATGCCGTCTGGGTCTGGGAC
ATTCAGAAGCTGAGGCTGTTCGCGGTGCTCGAGCAGCTGTCCCCAGTGCGCGCGTTTCAG
TGGGACCCGCAGCAGCCGCGGCTGGCCATCTGCACGGGAGGCAGCAGGCTCTACCTGTGG
TCCCCAGCGGGCTGCATGTCGGTGCAGGTGCCTGGGGAAGGCGACTTTGCAGTGCTTTCT
CTGTGCTGGCATTTAAGCGGAGACTCGATGGCCCTCCTCAGCAAGGATCACTTCTGCCTC
TGCTTCCTGGAGACAGAGGCAGTGGTCGGCACAGCCTGCAGACAGCTGGGCGGCCACACG
TAG

Clone variation with respect to NM_017818.3
1134 a=>g;1257 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017818 unedited
NGTTCAAATTTGTATACGACTCCTATAGGCGGCCCGCGAATCGGCACGAGGGTCGGCTGT
TGCAGCCTGCTGCGCGCCCAGGGTCCCGCGGGTTTTCGGGCGCAGGGTGGCGCCCGCGGC
AGGCGGCGGCCATGAACTTCTCCGAGGTATTCAAGCTCTCCAGCTTACTCTGCAAGTTCT
CCCCGGACGGCAAGTACCTGGCTTCCTGTGTCCAGTACCGGTTAGTGGTCCGGGATGTGA
ACACCCTTCAGATCCTTCAGCTGTACACGTGCCTAGACCAGATCCAGCACATCGAGTGGT
CGGCAGACTCGCTCTTCATCCTGTGCGCCATGTACAAGCGAGGGCTGGTGCAGGTCTGGT
CTTTAGAGCAGCCCGAATGGCACTGCAAAATAGACGAGGGCTCAGCCGGGCTGGTGGCCT
CGTGCTGGAGCCCGGACGGGCGCCACATTCTCAACACCACGGAATTCCATCTGCGGATAA
CCGTCTGGTCCTTGTGCACAAAATCCGTGTCTTACATCAAATACCCGAAAGCTTGTCTGC
AGGGAATCACCTTCACCAGGGACGGCCGCTACATGGCGCTGGCAGAACGGCGCGACTGCA
AAGATTACGTGAGCATCTTCGTCTGCAGTGATTGGCAGCTCCTGCGGCATTTTGATACGG
ACACCCAGGATCTCACAGGGATTGAGTGGGCCCCAAACGGCTGTGTGCTGGCAGTGTGGG
ACACCTGCTTGGAGTACAAGATTCTGCTGTACTCATTGGATGGCCGGTTGTTGTCCACGT
ACAGCGCTTACGAGTGGTCCCTGGGCATCAAGTCTGTGGCCTGGAGCCCCAGCAGTCAGT
TCCCTGGCAGTTGGGAGCTATGATGGGAAAGGTGCGCATCCCTTATCACCTGACTGGNAA
AATGAC

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_017818 unedited
TGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTATAAATCAGCAAGTA
TTTATTTTAAATAATAAAACTACAGTTTTATACCATACATATTTACAAAAATGCTTTGCT
ATAGAAAAATAGAATCAATCACTGAATCCAGACCACCACAGTGGAGAACCTCCTGGTGAA
GCTGTGTTTTTTCCCACACTGGAAACACAGAGTAGCCCTGTTTCTGCACACGTTAGTGCA
CCGCTGCTACGTGTGGCCGCCCAGCTGTCTGCAGGCTGTGCCGACCACTGCCTCTGTCTC
CAGGAAGCAGAGGCAGAAGTGATCCTTGCTGAGGAGGGCCATCGAGTCTCCGCTTAAATG
CCAGCACAGAGAAAGCACTGCAAAGTCGCCTTCCCCAGGCACCTGCACCGACATGCAGCC
CGCTGGGGACCACAGGTAGAGCCTGCTGCCTCCCGTGCAGATGGCCAGCCGCGGCTGCTG
CGGGTCCCACTGAAACGCGCGCACTGGGGACAGCTGCTCGAGCACCGCGAACAGCCTCAG
CTTCTGAATGTCCCAGACCCAGACGGCATTGGGAATGTTGTCGTTCCTTGTCGCCAGGAA
GTAGCTGTCAGGACTAAATGCCAGCATTCCTATGCCGATTTTCGGGTTTGCTCTGTCGGT
AACAGGTTTCAGTGTCTGTAAGGAGGACTGGACAGAGGCGATCTCATATTTACTCTCTGA
GCTCGGGAGAGGGCCGGCCCCCGCCCGGGGCGGCGGGAAGGANAAGCANCCCAGTCCCAG
CTGGGGGCTCTCCTCGCCTCCTTATACACACTATCTTTGGAATCATAATGGCTGCAGGAT
GCCCCAACTTCGGGATCTTTTTCCAGTCACGTGATTAAGGAGCCCACCTTCCTTATAACT
CCAACT
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Restriction Sites: NotI-NotI

ACCN: NM_017818

Insert Size: 1780 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_017818.2, NP_060288.2

RefSeq Size: 1675 bp

RefSeq ORF: 1383 bp

Locus ID: 49856

UniProt ID: Q9P2S5

Cytogenetics: 1p36.32

Domains: WD40

Protein Families: Stem cell - Pluripotency

Gene Summary: This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asp (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. Studies of the related mouse protein suggest that the encoded protein may play a role in the process of ossification. [provided by RefSeq, Mar 2009]