

Product datasheet for **RG208802**

SUHW1 (ZNF280A) (NM_080740) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SUHW1 (ZNF280A) (NM_080740) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SUHW1
Synonyms:	3'OY11.1; SUHW1; ZNF280; ZNF636
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208802 representing NM_080740
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAGATATCTTTTTGTGTAAGAAAGTGAATCACCAAAGAAGAATTTGAGAGAATCCAAACAAGGG
 AGGAGGATGATGAAGATCCAGATCTGATCTATGTTGGGGTGGAGCATGTACATAGAGATGCTGAAGTTCT
 CTTTGTGGGATGATTTCAAATTCAAAACCAAGTCGTTTCAAACATTTTGAACAGAGTCACCCAGGCTCA
 AATTCAAGAAGAAAGAAAGGCCACTTCCGTCAATATCCTGCTCACGTGTCGCAGCCTGCAAAATCATGTGA
 CCTCTATGGCAAAGCCATCATGCCGTTTCTCTGTCTGAGGGGCGATCGACAGATAGTCTGCTCACTAT
 GAAGTCTTCATCTGAACCTGGTTATAAAATGAGCTCACCAAGTTGTTTCTCCAGTTCCTCAGACTCG
 CTCCTCCAGGGACTCAGTGTCTAGTTGGAGCTATGGTCTCTGGAGGAGGCAGAAATGAGAGTTCTCCTG
 ATTCAAAGCGACTTCCACTTCAGATATAAACAGCAGAGATTCAAAAGGGTTAAACTCAGGGATGGAAT
 CCCAGGGTACCTTCTTTAGCTGTGGTCCCTTCAGATATGCTTCTACAATAAGCACAAAACACCCCTCA
 CAGGGGATCTGCAACTCATCAAACCATGTTTCAAGATGGAGTAACATTTCCCTTGGCCTGATGCTAATGGAA
 AGGCACATTTCAATCTTACAGATCCAGAGAGCAAGTGAAGTCTGCCCTGGCAATGACAGACATTTCAAG
 TCTAGCAAGTCAAAACAAGACCTTTGATCCCAAGAAAGAAAATCCCATCGTGTACTTAGCGACTTTTAC
 TATGGACAGCATAAAGGAGATGGGCAGCCGGAACAGAAGACTCACACCACCTTTAAATGCCTCAGCTGCG
 TGAAAGTTCTAAAAAATATTAAGTTTATGAATCACATGAAGCATCATTGGAAATTTGAGAAGCAGAGGAA
 CGACAGCTGGGAAGACCACACCCTGCCAGCACTGCCACCGCAGTTTCCCACTCCCTCCAGCTACAG
 TGTCACATTGATAGTGTACACATCGCCATGGGGCCCTCTGCTGTCTGTAATACTGTGAATTGTGTTTGA
 AAACAGATCAGGTCCTCTTACAACACATGAAGGACCATCATAAGCCTGGCGAAATGCCTTATGTGTGCCA
 GGTTTGCCATTACAGATCGTCGTTCTTTGCTGATGTGGAAACACATTTTGAACGTGCCATGAAAACACA
 AAGAATTTGCTTTGTCTGTTTTGTCTCAAACCTTTTCAAACCTGCAATACCATACATGAATCATTGTTGGA
 GGCACAGCAGAAGGAGGGTCTTTCAGTGTTCGAAGTGCCGGCTACAGTTTTTACGTTGAAGGAGGAAAT
 AGAGCACAAAACCAAGGACCATCAAACATTTAAAAAGCCGGAGCAACTGCAAGGGTTGCCTAGTGAACA
 AAAGTTATTATCAAACCTCAGTTCAGCCAGGATCAAGTGGTATGGCTTCCGTTATTGTTAGCAACTG
 ACCCTCAGTCTTCTCTGTAATAAACTAAAAAGAAGACGGCTATGAACACTAGAGATTCAGACTCCCTTG
 CAGCAAGGATTCTAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG208802 representing NM_080740
 Red=Cloning site Green=Tags(s)

MGDIFLCKKVESPKKNLRESKQREEDDEPDLIYVGEVHVHRDAEVLVFGMISNSKPVVSNILNRVTPGS
 NSRRKKGHFRQYPAHVSPANHVTSMAKAIMPVSLSEGRSTDSPVTMKSSSEPGYKMSSPVVSPSSSDS
 LPPGTQCLVGAMVSGGRNESSPDSKRLSTSDINRSRDKRVKLRDGI PGVPSLAVVPSDMSSTISTNTPS
 QGICNSSNHVQNGVTFPWPDANGKAHFNLTDPERASESALAMTDISSLASQNKTFDPKKNPIVLLSDFY
 YGQHKGDGQPEQKTHHTFKCLSCVKVLKNIKFMNHMKHLEFEKQRNDSWEDHTTCQHCHRQFPFPQLQ
 CHIDSVHIAMGPSAVCKICELSFETDQVLLQHMKDHHKPGEMPYVCVCHYRSSFVADVETHFRCHENT
 KNLLCLFCLKLFTAIPYMNHCWRHSRRRVLQCSKRLQFLTLKEEIEHKTKDHQTFKKPEQLQGLPSET
 KVI IQTSVQPGSSGMASVIVSNTDPQSSPVKTKKKKTAMNTRDSRLPCSKDSS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_080740

ORF Size: 1626 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_080740.5](#)

RefSeq Size: 2180 bp

RefSeq ORF: 1629 bp

Locus ID: 129025

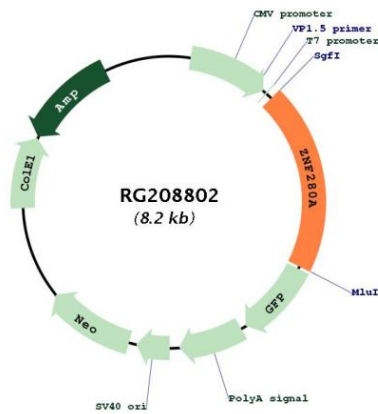
UniProt ID: [P59817](#)

Cytogenetics: 22q11.22

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This gene encodes a zinc finger protein. The encoded protein contains 4 C2H2-type zinc fingers, which are commonly found in transcription factors. A variety of functions may be performed by this type of zinc finger protein, including the binding of DNA or RNA. [provided by RefSeq, Apr 2014]

Product images:



Circular map for RG208802