

## Product datasheet for **RG216159**

### WSTF (BAZ1B) (NM\_032408) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WSTF (BAZ1B) (NM_032408) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WSTF
Synonyms:	WBSCR9; WBSCR10; WSTF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216159 representing NM_032408 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCCGCTCCTGGGCGCAAGCCCTTCCCGCTGGTGAAGCCGTTGCCCGGAGAGGAGCCGCTTTCA  
CCATCCCGCACACTCAGGAGGCCCTCCGCACCCGGGAAGAGTATGAAGCCCGCTTGGAAAGGTACAGTGA  
GCGCATTGGACGTGCAAGAGTACTGGAAGCAGTCAGCTAACACACAAGGAAGCCTGGGAGGAAGAACAG  
GAAGTTGCTGAGCTTTTGAAGGAGGAGTTTCTGCCTGGTATGAGAAGCTTGTCTGGAAATGGTTCACC  
ATAACACAGCCTCCTTAGAGAAGTTAGTAGATACTGCTTGGTTGGAGATCATGACCAAATATGCTGTGGG  
AGAAGAGTGTGACTTCGAGGTTGGGAAGGAGAAAATGCTCAAGGTGAAGATTGTGAAGATTCATCCTTTG  
GAGAAAAGTGGATGAAGAGGCCACTGAGAAGAAATCTGATGGTGCCTGTGATTCTCCATCAAGTGACAAA  
AGAACTCCAGTCAGATTGCTCAGGACCATCAGAAGAAGGAGACAGTTGTGAAAGAGGATGAAGGAAGGAG  
AGAGAGTATTAATGACAGAGCAGTAGATCGCCACGAAACTTCTACTTCATTAAGGAGGAGAAAGG  
AAATGGGCTCCTCCAAAATTTCTGCCTCACAAATATGATGTGAACTACAAAATGAAGATAAGATCATCA  
GTAACGTGCCAGCAGACAGCTTGATTGCTACAGAGCGCCCAAAATAAGGAGATAGTTCGATACTTTAT  
ACGGCATAATGCATTACGAGCTGGTACTGGTGAAGTGCACCTTGGTTCGTAGAAGATGAATTGGTGAAG  
AAATACTCTGCCCAGCAAGTTCAGTGACTTTTTACTTGATCCATACAAGTATATGACTCTCAACCTT  
CTACTAAGAGGAAGAATACTGGATCCCCAGACAGGAAGCCCTCAAAGAAAATCCAAGACAGACAACCTCTT  
TCTTAGTTCACCACTAAATCCTAAGTTATGGTGTACAGTACACTTGAAGAAGTCATTGAGTGGCTCGCCA  
CTCAAAGTGAAGAACTCAAAGAATTCCTGAAGAACATCTAGAAGAAATGATGAAGATGATGT  
CGCCCAATAAGCTGCACACTAATTTACATTCTAAAAAAGGCCACCTGCCAAGAAACCAGGGAAGCA  
CAGTGACAAGCCTTTGAAGGCAAAGGGCAGAAGCAAAGGCATCCTGAATGGACAGAAATCCACAGGGAAT  
TCCAAATCTCCAAAAAAGGACTGAAGACTCCTAAAACAAAATGAAGCAGATGACTTTGTTGGATATGG  
CCAAAGGCACGCAGAAGATGACACGAGCCCCACGGAATTCTGGGGTACACCTAGGACCTCTAGTAAACC  
TCATAAACATCTGCTCCTGCAGCCCTACACCTCATTGCATACTACAAAGAAAACAAAGACAGGGAGGAC



AAGAGGAGCGCCCTGTCCTGTGTATCTCCAAAACAGCTCGTCTTCTCTCTAGTGAAGATAGAGCTCGTC  
TCCCAGAAGAATTGCGAAGTCTTGTTCAAAAACGCTATGAACTTCTAGAGCACA AAAAGAGGTGGGCTTC  
TATGTCTGAAGAACAACGGAAAGAATATTTGAAAAAGAAACGGGAGGAGCTGAAAAAGAAGTTGAAGGAA  
AAAGCCAAAGAACGAAGAGAGAAAGAAATGCTTGAGAGATTAGAAAAACAGAAGCGGTATGAGGACCAAG  
AGTTAACTGGCAAAAACCTTCCAGCATTAGATTGGTGGATACCCCTGAAGGGCTGCCAACACCGCTGTT  
TGGGGATGTGGCCATGGTGGTGAATTCCTGAGCTGTTATTCTGGGCTACTTTTACCAGATGCTCAGTAT  
CCTATTACTGTGTCCCTTATGGAAGCCTTGAGTGCAGATAAGGGTGGCTTTTTATACCTTAAACAGGG  
TGTTGGTCATCCTCTTACAGACCCTCTACAAGATGAGATAGCAGAAGACTATGGTGAATTGGGAATGAA  
GCTGTGCGAAATCCCCTTGACTCTGCATTCTGTTTCAGAGCTGGTGCGGCTCTGCTTGCGCAGATCTGAT  
GTTCAGGAGGAAAGCGAGGGCTCAGACACAGATGACAATAAAGATTAGCTGCATTTGAGGATAATGAGG  
TACAAGATGAGTTCCTAGAAAAGCTGGAGACCTCTGAATTTTTGAGCTGACGTGAGGAGAAAGCTACA  
GATCTTGACAGCACTGTGCCACCGGATCCTCATGACATACTCAGTGAAGACCACATGGAGACCAGACAG  
CAGATGTCTGCAGAGTTGTGAAGGAACGGCTTGCTGTGTTGAAGGAAGAAAATGATAAAGAGAGAGCAG  
AGAAACAGAAACGAAAGAAATGGAAGCCAAAAATAAAGAAAATGAAAAAGTTGAGAATGGGTTAGGCAA  
AACTGATAGGAAAAAGAAATTTGAAGTTTGAAGCCCAAGTAGATACAGAAGCTGAAGACATGATTAGT  
GCTGTGAAGAGCAGAAGGTTGCTTGCCATTCAAGCTAAGAAGGAACGGGAAATCCAGGAAAGAGAATGA  
AAGTGAAGTGAAGCCAAAGCTGAAGAAGAACGAATACGGAAGCACAAGCAGCTGCTGAGAAAGCTTT  
CCAGGAAGGGATTGCCAAGGCCAAACTAGTGCATGCGCAGGACTCCTATTGGCACAGATCGAAACCATAAT  
AGATACTGGCTCTTCTCAGATGAAGTCCAGGATTATTCATTGAAAAAGGCTGGGTACATGACAGCATTG  
ACTACCGATTCAACCATCACTGCAAGACCACACAGTCTCTGGTGTGAGGATTACTGTCCTCGCAGTAA  
GAAAGCAAACCTTAGGTA AAAATGCAAGCATGAACACACAACATGGAACAGCAACAGAAGTTGCTGTAGAG  
ACAACCCACCCAAAACAAGGACAGAACCTATGGTTTTATGTGATAGTCAAAGGAGCTGGATGAGTTGC  
TAAACTGTCTTACCCTCAGGGAATAAGAGAAAGTCAACTTAAAGAGAGACTAGAGAAGAGTACCAGGA  
CATTATTCACTCTATTCATCTAGCACGGAAGCCAAATTTGGGTCTAAAATCTTGTGATGGCAACCGGAG  
CTTTTAAACTTCTTCGTAGTGATCTATTGAAGTTGCAACAAGTTACAAAAAGGAGGACTTGGATATG  
TGGAAGAAACATCAGAATTTGAAGCCCGGGTCATTTCTTAGAGAAATTGAAGGATTTGGTGAGTGTGT  
GATTGCCCTTCAGGCCAGTGTCATAAAGAAATTTCTCCAAGGCTTCATGGCTCCCAAGCAAAAGAGAAGA  
AAACTCCAAGTGAAGATTAGCAAAAAGTGAAGGAGTGGATGAAGAGAAGAAAATGGTAGAGGAAGCAA  
AGGTTGCATCTGCACTGGAGAAATGGAAGACAGCAATCCGGGAAGCTCAGACTTCTCCAGGATGCACGT  
GCTGCTTGGGATGCTTGTATGCCTGTATCAAGTGGGATATGTCCGCAGAAAATGCTAGGTGCAAAGTTTGT  
CGAAAGAAAGGTGAGGATGACAAATTGATCTTATGTGATGAGTGAATAAAGCCTTCCACCTGTTTTGTC  
TGAGGCCGGCCCTCTATGAAGTACCAGATGGTGAAGTGGCAGTGGCCAGCTTGCCAGCCCGCTACTGCCAG  
GCGCAACTCCCCTGGCAGGAACTATACTGAAGAGTCTGCTTCTGAGGACAGTGAAGATGATGAGAGTGAT  
GAAGAGGAGGAGGAGGAAGAAGAGGAGGAGGAGGAAGAAGATTATGAGGTGGCTGGTTTGCATTGAGAC  
CTCGAAAGACCATCCGGGGCAAGCACAGCGTATCCCCCTGCAGCAAGGTGAGGCGGCGCCCGGGTAA  
GAAGCCCACTCTACCAGGAGGTCTCAGCCCAAGGCACCCTGTGGATGATGCTGAGGTGGATGAGCTG  
GTGCTTACAGCAAGCGGAGCTCCCGGAGGCAAGCCTGGAGCTGCAGAAGTGTGAAGAGATCCTCCACA  
AGATCGTGAAGTACCGCTTCACTGGCCCTTCAAGGAGCCTGTGACCAGAGATGAGGCCGAGGACTACTA  
TGATGTGATCACGCACCCCATGGACTTTCAGACAGTGCAGAACAATGTTCTGTGGGAGTACCCTCT  
GTGCAGGAGTTTTCTTACTGACATGAAGCAAGTGTTTACCAATGCTGAGGTTTACAACGCGGTGGCAGCC  
ATGTGCTAAGCTGCATGGTGAAGACAGAACAGTGTCTAGTGGCTCTGTTGCATAAACACCTTCTGGCCA  
CCCATATGTCCGCAGGAAGCGCAAGAAGTTTCTGATAGGCTTGTGAAGATGAAGGGGACAGTGAAGCA  
GAGGCCGTTGGACAGTCCAGGGACGAAGACAGAAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216159 representing NM\_032408  
 Red=Cloning site Green=Tags(s)

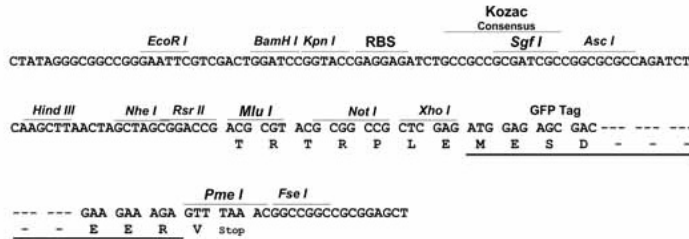
MAPLLGRKPFPLVKPLPGEEPLFTIPHTQEAFTREEYEARELERYSERIWTCKSTGSSQLTHKEAWEEEQ  
 EVAELLKEEFPAWYEKLVLEMVHHNTASLEKLVDTAWLEIMTKYAVGEECDFEFGKEKMLKVKIKIHL  
 EKVDDEATEKKSDBGACDSSDKENSSQIAQDHQKKETVVKEDGRRESINDRARRSPKLPSTLKKGER  
 KWAPPKFLPHKYDVKLQNEDKIISNVPADSLIRTERPPNKEIVRYFIRHNALRAGTGENAPWVVEDELVK  
 KYSLPSKFSDFLLDPYKMTLNPSTKRKNTGSPDRKPSKSKTDNSSLSSPLNPKLWCHVHLKKSLSGSP  
 LKVKNSKNSKSPEEHLEEMKMMSPNKLHTNFHIPPCKGPPAKKPGKHSKPLKAKGRSKGILNGQKSTGN  
 SKSPKGLKTPKTKMKQMTLLDMAKGTQKMTAPRNSGGTPTSSKPHKHLPPAALHLIAYYKENKDRED  
 KRSALSCVISKTARLLSSEDRARLPEELRSLVQKRYELLEHKRWASMSSEQRKEYLKKKREELKKLKE  
 KAKERREKEMLERLEKQKRYEDQELTGKNLPAFRLVDTPEGLPNTLFGDVAMVVEFLSCYSGLLLPDAQY  
 PITAVSLMEALSADKGGFLYLRVLLVILLQTLQDEIAEDYGELGMKLEIPLTLHSVSELVRLCLRRSD  
 VQEESEGSDDDDNKDSAAFEDNEVQDEFLEKLETSEFFELTSEEKQILTALCHRILMTYSVQDHMETRQ  
 QMSAELWKERLAVLKEENDKKRAEKQKRKEMEAKNKENGKVENGLGKTDKRKEIVKFEPQVDTEADMIS  
 AVKSRRLLAIQAKKEREIQEREMKVKLERQAEERIRKHKAAAEKAFQEGIAKAKLVMRRTPIGTRNHN  
 RYWLFSDEVPGLFIEKGWVHDSIDYRFNHCKDHTVSGDEDYCPRSKKNLGNKNSMNTQHGTAATEVAVE  
 TTPKQGNLWFLCDSQKELDELLNCLHPQGIRESQLKERLEKRYQDIHSHLARKPNLGLKSCDGNQE  
 LLNFLRSDLIEVATRLQKGGLYVEETSEFEARVISLEKLDKDFGECVIALQASVIKFLQGFMAPKQKRR  
 KLQSEDSAKTEEVDEEKKMVEEAKVASALEKWKTAIREAQTFSRMHVLLGMLDACIKWMSAENARCKVC  
 RKKGEDDKLILCDECNKAFHLFCLRPALYVDPGEWQCPACQPATARRNSRGRNYTEESASEDSEDES  
 EEEEEEEEEEEDEYVAGLRRLRPRKTIRGKHSVIPPAARSGRRPGKKPHSTRRSQPKAPPVDDAEVDEL  
 VLQTKRSSRRQSLLELQKCEEILHKIVKYRFSWPFREPVTREAEADYYDVI THPMDFQTVQNKCSGYSYRS  
 VQEFLLTMKQVFNAAEVYNCRGSHVLSVMVTEQCLVALLHKHLPHPYVRRKRKFPDRLAEDGESEP  
 EAVGQSRGRRQKK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM\_032408

ORF Size: 4449 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_032408.1](#), [NP\\_115784.1](#)

**RefSeq Size:** 6043 bp

**RefSeq ORF:** 4452 bp

**Locus ID:** 9031

**UniProt ID:** [Q9UIG0](#)

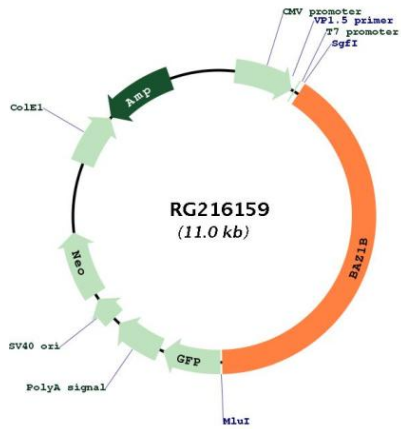
**Cytogenetics:** 7q11.23

**Domains:** BROMO, PHD, DDT

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** This gene encodes a member of the bromodomain protein family. The bromodomain is a structural motif characteristic of proteins involved in chromatin-dependent regulation of transcription. This gene is deleted in Williams-Beuren syndrome, a developmental disorder caused by deletion of multiple genes at 7q11.23. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG216159