

Product datasheet for **RG228734**

Tryptophan rich protein (WRB) (NM_001146218) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tryptophan rich protein (WRB) (NM_001146218) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: GET1
Synonyms: CHD5; WRB
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG228734 representing NM_001146218
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCTCAGCCGCGCCGACCACTGGGCGTGGTTGCTGGTGCTCAGCTTCGTGTTGGATGCAATGTTC
 TTAGGATCCTCCTCCCGTCTTCTCATCCTTCATGTCCAGGGTGTGCAGAAGGACGCGGAGCAGGAGTC
 ACAGATGAGAGCGGAGATCCAGGACATGAAGCAGGAGCTCTCCACAGTCAACATGATGGACGAGTTTGCC
 AGATATGCCAGGCTGAAAGAAAGATCAACAAGATGACGGATAAGCTCAAACCCATGTGAAAGCTCGGA
 CAGCTCAATTAGCCAAGATAAAATGGGTGATAAGTGTGCTTTCTACGTATTGCAGGCTGCCTGATGAT
 CCACTCATTGGAGTATTATTCTGTCCCTGTGGCTGTGCGTCCGAGTAAATGGATAACCCCTAGAC
 CGCCTGGTAGCCTTTCTACTAGAGTAGCAGGTGGTGGTGAATTACCTGTTGGATTTAGTCTGTAACA
 AAGTTGTCGCTATTGTGCTTCATCCGTTTCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG228734 representing NM_001146218
 Red=Cloning site Green=Tags(s)

MSSAAADHWALLVLSFVFGCNVLRILLPSFSSFMSRVLQKDAEQESQMRAEIQDMKQELSTVNMMEFA
 RYARLERKINKMTDKLKHVKARTAKLAKIKWVISVAFYVLAALMISLIWKYYSVPVAVVPSKWITPLD
 RLVAFPTRVAGGVGITCWILVCNKVVAIVLHPFS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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:	<u>NM_001146218.1, NP_001139690.1</u>
RefSeq Size:	1470 bp
RefSeq ORF:	423 bp
Locus ID:	7485
UniProt ID:	<u>O00258</u>
Cytogenetics:	21q22.2
Protein Families:	Transmembrane
Gene Summary:	This gene is located in the candidate region for congenital heart disease (CHD) in Down syndrome (DS). It encodes a basic protein that functions as a receptor that promotes insertion of tail-anchored proteins in the endoplasmic reticulum membrane. This gene is located at a maternally-methylated differentially methylated region (DMR); however, its transcription may be biallelic, not imprinted. Alternative splicing results in different transcript variants. A pseudogene has been defined on chromosome 4. [provided by RefSeq, Apr 2017]