

## Product datasheet for **SC327369**

### Tryptophan rich protein (WRB) (NM\_001146218) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tryptophan rich protein (WRB) (NM_001146218) Human Untagged Clone
Tag:	Tag Free
Symbol:	GET1
Synonyms:	CHD5; WRB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327369 representing NM_001146218. Blue=Insert sequence Red=Cloning site Green=Tag(s)

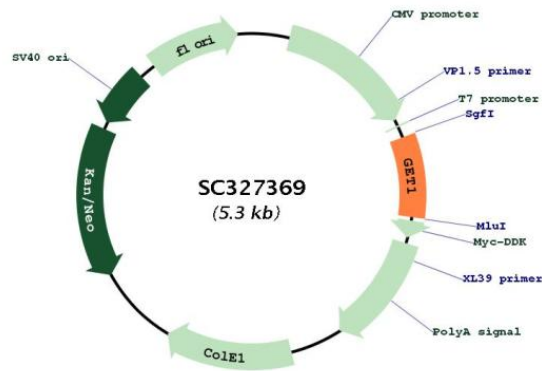
```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCAGGGTGCTGCAGAAGGACGCGGAGCAGGAGTCACAGATGAGAGCGGAGATCCAGGACATGAAG
CAGGAGCTCTCCACAGTCAACATGATGGACGAGTTTGCCAGATATGCCAGGCTGGAAAGAAAGATCAAC
AAGATGACGGATAAGCTCAAACCCATGTGAAAGCTCGGACAGCTCAATTAGCCAAGATAAAATGGGTG
ATAAGTGTGCTTTCTACGTATTGCAGGCTGCCCTGATGATCTCACTCATTTGGAAGTATTATTCTGTC
CCTGTGGCTGTCGTGCCGAGTAAATGGATAACCCCTCTAGACCGCTGGTAGCCTTTCCTACTAGAGTA
GCAGGTGGTGTGAATTACCTGTTGGATTTAGTCTGTAACAAAGTTGTCGCTATTGTGCTTCATCCG
TTCAGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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Plasmid Map:



<b>ACCN:</b>	NM_001146218
<b>Insert Size:</b>	423 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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\\_001146218.1](#)

**RefSeq Size:** 1470 bp

**RefSeq ORF:** 423 bp

**Locus ID:** 7485

**UniProt ID:** [O00258](#)

**Cytogenetics:** 21q22.2

**Protein Families:** Transmembrane

**MW:** 16 kDa

**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]  
Transcript Variant: This variant (2) represents use of an alternate promoter compared to variant 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.