

Product datasheet for **RG202054**

EZH2 (NM_004456) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EZH2 (NM_004456) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EZH2
Synonyms:	ENX-1; ENX1; EZH2b; KMT6; KMT6A; WVS; WVS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG202054 representing NM_004456
 Red=Cloning site Blue=ORF Green=Tags(s)

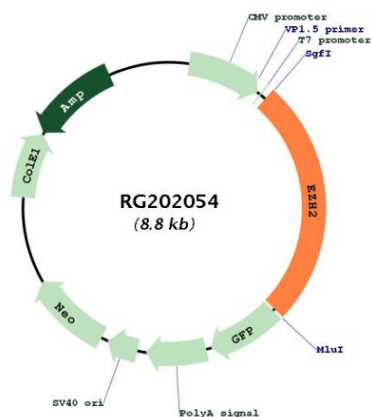
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCCAGACTGGGAAGAAATCTGAGAAGGGACCAGTTTGTGGCGGAAGCGTGTAAAATCAGAGTACA
 TGGCAGTGAACAGCTCAAGAGGTTTCAGACGAGCTGATGAAGTAAAGAGTATGTTTAGTTCCAATCGTCA
 GAAAAATTTGGAAAGAACGGAAATCTTAAACCAAGAATGGAAACAGCGAAGGATACAGCCTGTGCACATC
 CTGACTTCTGTGAGCTCATTGCGCGGGACTAGGGAGTGTTCGGTGACCAGTACTGGATTTTCCAACAC
 AAGTCATCCCATTAAGACTCTGAATGCAGTTGCTTCAGTACCCATAATGTATTCTTGGTCTCCCCTACA
 GCAGAATTTTATGGTGAAGATGAACTGTTTTACATAACATTCCTTATATGGGAGATGAAGTTTLAGAT
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 GGTATATAAATGATGAAATTTTGTGGAGTTGGTGAATGCCCTTGGTCAATATAATGATGATGACGATGA
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 AGGGCACAGCAGAAGAACTAAAGGAAAAATATAAAGAAGTACCCGAACAGCAGCTCCCAGGCCACTTCC
 TCCTGAATGTACCCCAACATAGATGGACCAATGCTAAATCTGTTTCAGAGAGAGCAAAGCTTACTCTCC
 TTTTCATACGCTTTTCTGTAGGCGATGTTTTAAATATGACTGCTTCTACATCGTAAGTGAATATTCTT
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 ACAGTGTACCAGCATTTGGAGGGAGCAAAGGAGTTTGTCTGCTCTCACCGCTGAGCGGATAAAGACC
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 CCATTAATGTGCTGGAATCAAAGGATACAGACAGTATAGGGAAGCAGGGACTGAAACGGGGGAGAGAA
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 ACACCAATAAAGATGAAGCCAAATATTGAACCTCTGAGAATGTGGAGTGGAGTGGTGTGAAGCCTCAA
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 TTCGTGCCCTTGTGTGATAGCACAAAATTTTGTGAAAAGTTTGTCAATGTAGTTCAGAGTGTCAAAC
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 AGTGTGACCTGACCTCTGTCTTACTTGTGGAGCCGCTGACCATTGGGACAGTAAAAATGTGTCTGCAA
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 ATTTTTATCAAAGATCCTGTGCAGAAAAATGAATTCATCTCAGAACTGTGGAGAGATTATTTCTCAAG
 ATGAAGCTGACAGAAGAGGGAAAGTGTATGATAAATACATGTGCAGCTTCTGTTCAACTGAACAATGA
 TTTTGTGGTGGATGAACCCGCAAGGTAACAAAATTCGTTTTGCAAATCATTCCGGTAAATCCAACTGC
 TATGAAAAGTTATGATGGTTAACGGTATCACAGGATAGGTATTTTGGCAAGAGGCCATCCAGACTG
 CGAAGAGCTGTTTTTGGATTACAGATACAGCCAGGCTGATGCCCTGAAGTATGTCCGCATCGAAAGAGA
 AATGGAAATCCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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:	NM_004456.5
RefSeq Size:	2695 bp
RefSeq ORF:	2256 bp
Locus ID:	2146
UniProt ID:	Q15910
Cytogenetics:	7q36.1
Domains:	myb_DNA-binding, SET
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>This gene encodes a member of the Polycomb-group (PcG) family. PcG family members form multimeric protein complexes, which are involved in maintaining the transcriptional repressive state of genes over successive cell generations. This protein associates with the embryonic ectoderm development protein, the VAV1 oncoprotein, and the X-linked nuclear protein. This protein may play a role in the hematopoietic and central nervous systems. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Feb 2011]</p>

Product images:



Circular map for RG202054