

Product datasheet for **SC321491**

ZNF488 (NM_153034) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF488 (NM_153034) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF488
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_153034.2

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GGAGGAGGCTGTGCTGCACCAGCACCTCTTGCTCCACATCTCCAGAGAGCCCAGGGCCCT
GTGGCCGAGTGTGTCCAGCCCAGTGTGCATGGGGAGCTTCCATATCTCATGGCTCCTTGCT
GGGCCAAGCCCTCCAGAACCCCAACCCCAAAAGACTGATGAATGCCAGAGTGGCCACCT
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CGGGATGTGGGCAGTGGCGAGCTGGCACTGTTGGTAGCCCCAGGCAAGCCCCGACCTGGC
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GTGATGATGTCTGTACTAGTTAGCTATTGTTATTAACAAGATCTCCATGGCAGACAAGCT
 AAAGCATCTGCCTAAGTCGTGAGTCTGTGGGTTGGCTCAGGTTAAGCTGAGCTTGGCTGG
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 TTGTTTACTGTGCATCCCTGGTGCCAGAACAGGGCATGGCATATTGTTGGTGCATAATA
 AATATTGTGAAATAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_153034
- OTI Disclaimer:** 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).
- OTI Annotation:** 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.
- 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_153034.2, NP_694579.1</u>
RefSeq Size:	3513 bp
RefSeq ORF:	1023 bp
Locus ID:	118738
UniProt ID:	<u>Q96MN9</u>
Cytogenetics:	10q11.22
Domains:	zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	<p>Transcriptional repressor. Plays a role in oligodendrocyte differentiation, together with OLIG2. Mediates Notch signaling-activated formation of oligodendrocyte precursors. Promotes differentiation of adult neural stem progenitor cells (NSPCs) into mature oligodendrocytes and contributes to remyelination following nerve injury.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All six variants encode the same protein. 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.</p>