

Product datasheet for **SC301496**

TSPO2 (NM_001010873) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSPO2 (NM_001010873) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSPO2
Synonyms:	BZRPL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301496 representing NM_001010873. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGCGGCTTCAAGGGGCTATCTTTGTGCTCCTGCCACCTGGGGCCATCCTGGTCTGGCTGTTCACT
 CGTGATCACATGTCTGGTTGGTGTGAGGGCCGAGGATGCTGCTCCTGGTGGCCATTCTACAAAGTCTTA
 TTGCTTGTACAGACAGCCATCTACTCTGCTGGGCTATGCCTCCTACCTGGTGTGAAGGACCTGGGA
 GGGGGCTTGGGGTGGCCCTGGCCCTGCCTCTTGGCCTCTATGCTGTTGAGCTCACCATCAGCTGGACT
 GTCCTGGTTCTCTTTTACAGTCCACAACCCTGGTCTGGCCCTGCTGCACCTGCTGCTGCTGTATGGG
 CTGGTGGTGAACAGCACTGATCTGGCATCCCATCAACAACTGGCTGCCCTGTTACTGCTGCCCTAC
 CTAGCCTGGCTACCGTGACTTCAGCCCTCACCTACCACCTGTGGAGGGACGCCTTTGCCAGTGCAC
 CAGCCTCAGCCACGGAGAAGAGTGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001010873
Insert Size:	513 bp
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).


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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:	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_001010873.2</u>
RefSeq Size:	1021 bp
RefSeq ORF:	513 bp
Locus ID:	222642
UniProt ID:	<u>Q5TGU0</u>
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome, Transmembrane
MW:	19.1 kDa
Gene Summary:	Binds cholesterol and mediates its redistribution during erythropoiesis which may play a role in erythrocyte maturation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.