

Product datasheet for **SC303018**

REG (NM_001432) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: REG (NM_001432) Human Untagged Clone
Tag: Tag Free
Symbol: REG
Synonyms: Ep; EPR; ER
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001432 edited
ATGACCGCGGGGAGGAGGATGGAGATGCTCTGTGCCGGCAGGGTCCCTGCGCTGCTGCTC
TGCTGGGTTTCCATCTTCTACAGGCAGTCCCTCAGTACAAGTGTGATTCCATCATGTATC
CCAGGAGAGTCCAGTGATAACTGCACAGCTTTAGTTTACAGACAGAAGACAATCCACGTGTG
GCTCAAGTGTCAATAACAAAGTGTAGCTCTGACATGAATGGCTATTGTTTGCATGGACAG
TGCATCTATCTGGTGGACATGAGTCAAACTACTGCAGGTGTGAAGTGGGTTATACTGGT
GTCCGATGTGAACACTTCTTTTTAACCGTCCACCAACCTTTAAGCAAAGAATATGTGGCT
TTGACCGTATTCTTATTATTTGTTTCTTATCACAGTCGTCGGTTCCACATATTATTC
TGCAGATGGTACAGAAATCGAAAAAGTAAAGAACCAAGAAGGAATATGAGAGAGTTACC
TCAGGGGATCCAGAGTTGCCGCAAGTCTGA

Restriction Sites: Please inquire

ACCN: NM_001432

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: The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

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).



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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_001432.1](#), [NP_001423.1](#)

RefSeq Size: 4627 bp

RefSeq ORF: 510 bp

Locus ID: 2069

UniProt ID: [O14944](#)

Cytogenetics: 4q13.3

Protein Families: Secreted Protein, Transmembrane

Protein Pathways: ErbB signaling pathway

Gene Summary: This gene encodes a secreted peptide hormone and member of the epidermal growth factor (EGF) family of proteins. The encoded protein is a ligand of the epidermal growth factor receptor (EGFR) and the structurally related erb-b2 receptor tyrosine kinase 4 (ERBB4). The encoded protein may be involved in a wide range of biological processes including inflammation, wound healing, oocyte maturation, and cell proliferation. Additionally, the encoded protein may promote the progression of cancers of various human tissues. [provided by RefSeq, Jul 2015]