

## Product datasheet for **RG210024**

### **RHEX (NM\_001007544) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RHEX (NM\_001007544) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** RHEX  
**Synonyms:** C1orf186  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG210024 representing NM\_001007544  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGACAGAAGTCATGGAGGTCTGGCATGGCTTAGTGATCGCGGTGGTGTCCCTCTTCCTGCAGGCCT  
 GCTTCCTCACGCCATCAACTACCTGCTCAGCAGGCACATGGCCACAAGAGTGAACAGATACTGAAAGC  
 GGCCAGTCTCCAGGTTCCAGGCCAGCCCTGGCCACCATCATCCACCTGCTGTCAAAGAGATGAAGGAG  
 ACTCAGACAGAGAGACATCCAATGTCTGATTCCCTTTACAGGCATGACAGCGACACACCCTCAGATA  
 GCTTGGATAGCTCCTGCAGTTCGCCTCCTGCCTGCCAGGCCACAGAGGATGTGGATTACACACAAGTCGT  
 CTTTTCTGACCCTGGAGAACTAAAAATGACTCCCGCTGGACTATGAGAACATAAAGGAAATCACAGAT  
 TATGTCAATGTCAATCCAGAAAGACACAAGCCAGTTTCTGGTATTTGTCAACCCTGCTGTCTGAGC  
 CAGCGGAATATGATCAAGTGCCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG210024 representing NM\_001007544  
 Red=Cloning site Green=Tags(s)

MLTEVMEVWHGLVIAVVSFLQACFLTAINYLLSRHMAHKSEILKAASLQVPRSPGHHHPAVKEMKE  
 TQTERDIPMSDSLRYRHS DTPSDSLDSSCSPPACQATEDVDYTVVFS DPGLKNDSPLDYENIKEITD  
 YVNVNPERHKPSFWYFVNPALSEPAEYDQVAM

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001007544

**ORF Size:** 516 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001007544.4](#)

**RefSeq Size:** 1665 bp

**RefSeq ORF:** 519 bp

**Locus ID:** 440712

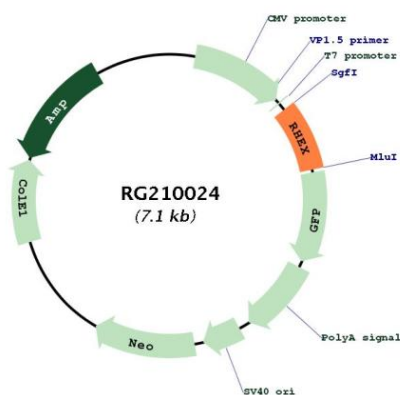
UniProt ID: [Q6ZWK4](#)

Cytogenetics: 1q32.1

Protein Families: Transmembrane

Gene Summary: Acts as a signaling transduction factor of the EPO-EPOR signaling pathway promoting erythroid cell differentiation (PubMed:25092874).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG210024