

Product datasheet for **SC315702**

GRXCR2 (NM_001080516) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRXCR2 (NM_001080516) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRXCR2
Synonyms:	DFNB101
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315702 representing NM_001080516. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAGGACCCTGAGAAAAAGCTGAATCAGAAGAGTGATGGCAAACCCGGAAAGTACGATTTAAAAATC
TCCTCCTCTACAGCGGTCGAGTATTGAAGCAGGCTTTGAGGATGGGCAGGAATTAGAGTCACCAAAG
GAGGAATACCCTCACAGTTTTCTGCAAGAGTCTTTGAAACAATGGATGGTGTATGGGTCTGGGGAA
GTCCCCAGGCCCCAGATGTGCTCCCTAAGCTGACTGCTCAGAGGATCAGTGTGTTAGAGAGGGTAAT
GCCTACACCTTGGCAGGGCGCCAGCCTCGGTTCAACGATTACAAGCGAATGACCATAAGCCCCTACCT
ATTATAGATTTTGGAAAGATAATCATCTACACTAATAACCTGAAAATCATTGAAACCCCAATGGACAAG
AGAGATTTTGTGAGGAAAATTCTCCAGAAGGAAGAGGAGGCTGAGGAAGAGTCTCTGATGAACAAAGAA
GAAAGCTATGGAGGCAGGGACCAGCAGATAGACCTTTGGTGGAGGCAGAAAGCACATTACCCCAAAC
CGGTATACACAGGAAGGGGATATCCCGAGGACAGCTGTTTTCACTGCCGAGGGTCGGGCAGTGCCACC
TGCTCTCTGTGCCACGGCAGCAAGTTCTCGATGCTGGCCAACAGATTTAAGGAGTCTATCGGGCCCTG
AGGTGCCCTGCCTGCAATGAGAAATGGCCTACAGCCTTGCCAGATTTGCAATCAATAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001080516
Insert Size:	747 bp



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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_001080516.1</u>
RefSeq Size:	747 bp
RefSeq ORF:	747 bp
Locus ID:	643226
UniProt ID:	<u>A6NFK2</u>
Cytogenetics:	5q32
MW:	28.3 kDa
Gene Summary:	This gene encodes a protein containing a glutaredoxin domain, which functions in protein S-glutathionylation. A mutation in this gene was found in a family with autosomal recessive nonsyndromic sensorineural deafness-101. [provided by RefSeq, Jun 2014]