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Product datasheet for SC211430

G protein coupled receptor 30 (GPER1) (NM_001505) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	G protein coupled receptor 30 (GPER1) (NM_001505) Human 3' UTR Clone
Symbol:	G protein coupled receptor 30
Synonyms:	CEPR; CMKRL2; DRY12; FEG-1; GPCR-Br; GPER; GPR30; LERGU; LERGU2; LyGPR; mER
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001505
Insert Size:	984 bp
Insert Sequence:	>SC211430 3'UTR clone of NM_001505 The sequence shown below is from the reference sequence of NM_001505. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TCGGATGTGAGGTTCAGCAGTGCCGTGTAGACAGCCTTGGCCGCATAGGCCCAGCCAGGGTGTGACTCG GGAGCTGCACACACCTGGGTGGACACAAGGCACGGCCACGTCATGTCTCTAAACTGCGGTCAGATGTGG CTTCTGGCTCCTCGGGGCCTCGCGAGGGTCACGCTTGCCTGGTCACCCTGGGGCTGCTTAGGAAACCTC ACGACTGGTCACCTTGCACTCCTCACACAGAATTGCTACAATCCCAAAGCGCTCGCCCCGCAGGGTCCA AAGGCCAGCGGTGACCAGCCTGTCACCCAGCTCCTCCCCGCCAACCCTGCCTGCCGCTGCACCTGCCTG CCGCTGCAGGAAACATTTCTGACACCGTCGACCAGGAAAGCCACACGGAGAGGCCACTGTGGGTGAAGC GCCTCAGTTACACAGGAACCCTAAAGCAAATCTGCCACCGTGGGGGAACTGACGCTGGAGATGCAAGGT GCTGGTGGGTCTGAGCTGGACGTCGCGGTGTGTCCTCTGTGCCCACGGTCTGAGCTAGCTAGCGCACCG CCGAGTTAAAGAGGAGAAGGAAAACATGCTGCTCTGGTGCACGCCTGAGCGTCCTCCATCTTCCAGGAT GGCAGCAATGGCGCTGTGCGGCCTCACCAGGCCCACGAGGAGCAGCAGCGCTCGGCCCGGAGCAGCAGG AAGGCCCCTCTGTGGAGCGCCCGCCGTCTGCTCCGGGGTGGTTCAGTCACTGCTTGTTGACATCAACAT GGCAATTGCACTCATGTGGACTGGGACCGTGCGAGCTGCCGTGTGGGTTAGTCGGGTGCCAGGACAATG AAATACTCCAGCACCTGTGGCTGACGAATTTGTTTCTACAGAAATAACAGCTGGGGACAACTGCGGTGA TGATGTAAAAACCTTCCCATAAAATGTAAGAAAAGCTGATGAGGCTGGTGACGTTCAGCCTTTGTCAAT AAACCTGTCATGTGCGGA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI

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OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_001505.3

Summary: This gene encodes a multi-pass membrane protein that localizes to the endoplasmic reticulum and a member of the G-protein coupled receptor 1 family. This receptor binds estrogen and activates multiple downstream signaling pathways, leading to stimulation of adenylate cyclase and an increase in cyclic AMP levels, while also promoting intracellular calcium mobilization and synthesis of phosphatidylinositol 3,4,5-trisphosphate in the nucleus. This protein therefore plays a role in the rapid nongenomic signaling events widely observed following stimulation of cells and tissues with estrogen. This receptor has been shown to play a role in diverse biological processes, including bone and nervous system development, metabolism, cognition, male fertility and uterine function. [provided by RefSeq, Aug 2017]

Locus ID: 2852

MW: 35.2