

Product datasheet for **RN212140**

Ptges3 (NM_001130989) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptges3 (NM_001130989) Rat Untagged Clone
Tag: Tag Free
Symbol: Ptges3
Synonyms: RGD1561913
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN212140 representing NM_001130989
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAGCCTGCTTCTGCAAAGTGGTACGACCGAAGGGACTATGTATTCATTGAATTTGTGTTGAAGACA
GTTAAAGATGTTAATGTAACCTTTGAAAAATCCAACTTACTTTTCAGTTGTCTGGAGGAAGTGATAATTT
TAAGCATTTAAATGAAATTGATCTTTTTTCATTGTATTGATCCAAATGATCCAAGCATAAAAGAACGGAC
AGATCGATTTTATGTTGTTTGCAGAAAAGGAGAATCCGGCCAATCCTGGCCTAGGTTAACAAAGGAAAGGG
CAAAGCTTAATTGGCTTAGTGTGGACTTCAATAATTGAAAGATTGGGAGGATGACTCAGATGAAGACAT
GTCTAATTTTGACCGTTTCTCTGAGATGATGGATCACATGGGTGGTGTAGGATGTAGATTTACCAGAA
GTAGACGGAGCAGATGATGATTCACAAGACAGTGTATGAAAAAATGCCAGATCTGGAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001130989
Insert Size: 483 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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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_001130989.1</u> , <u>NP_001124461.1</u>
RefSeq Size:	1691 bp
RefSeq ORF:	483 bp
Locus ID:	362809
UniProt ID:	<u>P83868</u>
Cytogenetics:	7q11
Gene Summary:	Cytosolic prostaglandin synthase that catalyzes the oxidoreduction of prostaglandin endoperoxide H2 (PGH2) to prostaglandin E2 (PGE2) (PubMed:10922363). Molecular chaperone that localizes to genomic response elements in a hormone-dependent manner and disrupts receptor-mediated transcriptional activation, by promoting disassembly of transcriptional regulatory complexes. Facilitates HIF alpha proteins hydroxylation via interaction with EGLN1/PHD2, leading to recruit EGLN1/PHD2 to the HSP90 pathway (By similarity).[UniProtKB/Swiss-Prot Function]