

Product datasheet for **RG212433**

PTGES2 (NM_198938) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PTGES2 (NM_198938) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PTGES2
Synonyms: C9orf15; GBF-1; GBF1; mPGES-2; PGES2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG212433 representing NM_198938
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAAGGCTGTGAACGAGCAGGGCAAGGAGGTGACCGAGTTCGGCAATAAGTACTGGCTCATGCTCAACG
AGAAGGAGGCCAGCAAGTGTATGGTGGGAAGGAGGCCAGGACGGAGGAGATGAAGTGGCGGCAGTGGGC
GGACGACTGGCTGGTGCACCTGATCTCCCCAATGTGTACCGCACGCCACCGAGGCTCTGGCGTCTTT
GACTACATTGTCGCGAGGGCAAGTTCGGAGCCGTGGAGGGTGGCGTGGCCAAGTACATGGGTGCAGCGG
CCATGTACCTCATCAGCAAGCGACTCAAGAGCAGGCACCGCTCCAGGACAACGTGCGCGAGGACCTCTA
TGAGGCTGCTGACAAGTGGGTGGCTGCTGTGGCAAGGACCGGCCCTTCATGGGGGGCCAGAAGCCGAAT
CTCGCTGATTTGGCGGTGTATGGCGTGCTGCTGTGATGGAGGGGCTGGATGCATTTCGATGACCTGATGC
AGCACACGCACATCCAGCCCTGGTACTGCGGGTGGAGAGGGCCATCACCAGGCCTCCCGACGCGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG212433 representing NM_198938
Red=Cloning site Green=Tags(s)

MKAVNEQGKEVTEFGNKYWLMLNEKEAQVYGGKEARTEEMKWRQWADDWL VHLISPNVYRTPTEALASF
DYIVREGKFGAVEGAVAKYMGAAMYLISKRLKSRHRLQDNVREDLYEAADKWVAAVGKDRPFMGGQKPN
LADLAVYGVLRVMEGLDAFDDLMQHITHIQPWYLRVERAITEASPAH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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_198938.1, NP_945176.1</u>
RefSeq Size:	1642 bp
RefSeq ORF:	561 bp
Locus ID:	80142
UniProt ID:	<u>Q9H7Z7</u>
Cytogenetics:	9q34.11
Protein Pathways:	Arachidonic acid metabolism, Metabolic pathways
Gene Summary:	The protein encoded by this gene is a membrane-associated prostaglandin E synthase, which catalyzes the conversion of prostaglandin H2 to prostaglandin E2. This protein also has been shown to activate the transcription regulated by a gamma-interferon-activated transcription element (GATE). Multiple transcript variants have been found for this gene. [provided by RefSeq, Jun 2009]