

Recombinant Human PTGES2 protein, GST-tagged

Cat. No. PTGES2-2045H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTGES2 protein(1-377 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-377 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MDPAARVVRALWPGGCALAWRLGGRPQPLLPTQSRAGFAGAAGGPSPVAAARKG SPRLLGAAALALGGALGLYHTARWHLRAQDLHAERSAAQLSLSSRLQLTLYQYKTC PFC SKVRAFLDFHALPYQVVEVNPVRRAEIKFSSYRKVPILVAQEGESSQQLNDSSVI ISALKTYLVSGQPLEEIIITYYPAMKAVNEQGKEVTEFGNKYWLMLNEKEAQQVYGGK EARTEEMKWRQWADDWLVLHISPNNVYRTPTEALASFDYIVREGKFGAVEGAVAKY MGAAAMYLIKRLKSRHRLQDNVREDLYEAADKWVAAVGKDRPFMGGQKPNLADL AVYGVLVRVMEGLDAFDDLMQHTHIQPWYLRVERAITEASPAH
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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Storage Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name PTGES2 prostaglandin E synthase 2 [Homo sapiens]

Official Symbol PTGES2

Synonyms PTGES2; prostaglandin E synthase 2; C9orf15, chromosome 9 open reading frame 15; FLJ14038; GATE-binding factor 1; microsomal prostaglandin E synthase-2; membrane-associated prostaglandin E synthase 2; gamma-interferon-activated transcriptional element-binding factor 1; GBF1; GBF-1; PGES2; C9orf15; mPGES-2; MGC11289;

Gene ID 80142

mRNA Refseq NM_001256335

Protein Refseq NP_001243264

MIM 608152

UniProt ID Q9H7Z7

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