

Recombinant Human PTGES2 protein, GST-tagged

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

SPECIFICATION

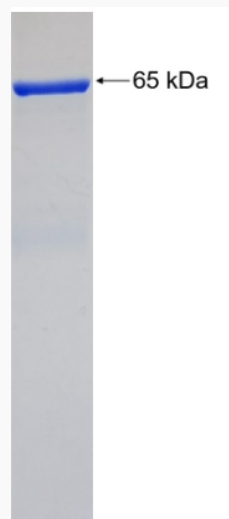
Product Overview	Recombinant Human PTGES2 protein(1-377 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-377 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, 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	MDPAARVVRLWPGGCALAWRLGGRPQPLLPTQSRAGFAGAAGGPSPVAAARKG SPRLLGAAALALGGALGLYHTARWHLRAQDLHAERSAAQLSLSSRLQLTLYQYKTC PFC SKVRAFLDFHALPYQVVEVNPVRRAEIKFSSYRKVPILVAQEGESSQQLNDSSVI ISALKTYLVSGQPLEEIIITYYPAMKAVNEQGKEVTEFGNKYWLMLNEKEAQQVYGGK EARTEEMKWRQWADDWLVLHISP NVYRTPTALASFDYIVREGKFGAVEGAVAKY MGAAAMY LISKRLKSRHRLQDNVREDLYEAADKWVA AVGKDRPFMGGQKPNLADL AVYGVL RVMEGLDAFDDLMQH THIQPWYLRVERAITEASPAH
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

SDS-PAGE

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