

Recombinant Human PTGER4 Protein, His&GST-tagged

Cat. No. PTGER4-1998H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTGER4 Protein (Arg333-Ile488) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Arg333-Ile488
Description	The protein encoded by this gene is a member of the G-protein coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). This receptor can activate T-cell factor signaling. It has been shown to mediate PGE2 induced expression of early growth response 1 (EGR1), regulate the level and stability of cyclooxygenase-2 mRNA, and lead to the phosphorylation of glycogen synthase kinase-3. Knockout studies in mice suggest that this receptor may be involved in the neonatal adaptation of circulatory system, osteoporosis, as well as initiation of skin immune responses.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 46.6 kDa Accurate Molecular Mass: 50 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	PTGER4 prostaglandin E receptor 4 [Homo sapiens (human)]
Official Symbol	PTGER4
Synonyms	PTGER4; prostaglandin E receptor 4; EP4; EP4R; prostaglandin E2 receptor EP4 subtype; PGE receptor, EP4 subtype; PGE2 receptor EP4 subtype; prostaglandin E receptor 4 (subtype EP4); prostanoid EP4 receptor
Gene ID	5734
mRNA Refseq	NM_000958
Protein Refseq	NP_000949
UniProt ID	P35408

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