Recombinant Human PTGER3 Protein, His/GST-tagged

Cat. No. PTGER3-371H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTGER3(Asn217~Arg390) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asn217~Arg390
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 may have many biological functions, which involve digestion, nervous system, kidney reabsorption, and uterine contraction activities. Studies of the mouse counterpart suggest that this receptor may also mediate adrenocorticotropic hormone response as well as fever generation in response to exogenous and endogenous stimuli. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	52.0kDa
Identity	Reconstitute in PBS or others
Endotoxin	<1.0EU per 1μg (determined by the LAL method)

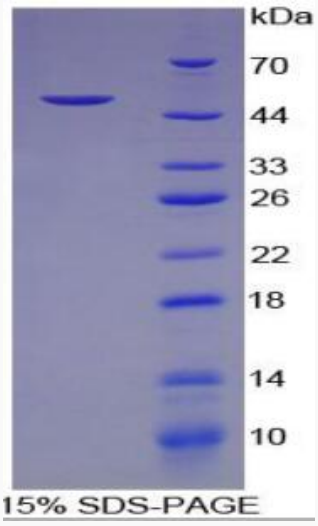
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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal 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.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	PTGER3 prostaglandin E receptor 3 (subtype EP3) [Homo sapiens]
Official Symbol	PTGER3
Synonyms	PTGER3; prostaglandin E receptor 3 (subtype EP3); prostaglandin E2 receptor EP3 subtype; EP3; prostanoid EP3 receptor; PGE receptor, EP3 subtype; PGE2 receptor EP3 subtype; prostaglandin receptor (PGE-2); prostaglandin E receotor EP3 subtype 3 isoform; EP3e; EP3-I; EP3-II; EP3-IV; PGE2-R; EP3-III; MGC27302; MGC141828; MGC141829;
Gene ID	5733
mRNA Refseq	NM_001126044

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Protein Refseq	NP_001119516
MIM	176806
UniProt ID	P43115
	

15% SDS-PAGE

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