PRODUCT INFORMATION

Target	PTGER4
Synonyms	EP4;EP4R
Description	Recombinant Human PTGER4 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P35408
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	PTGER4(Met1-Ser19) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 28.1 kDa after removal of the signal peptide. The apparent molecular mass of PTGER4-hFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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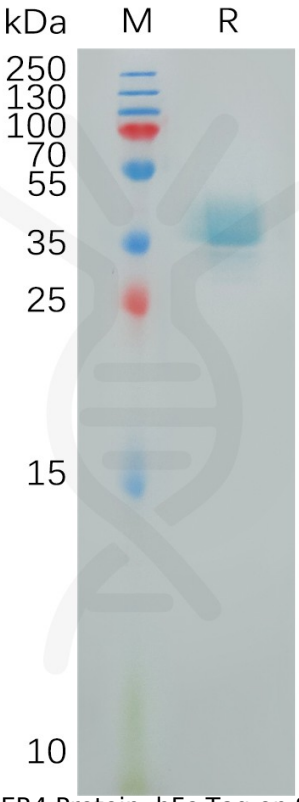


Figure 1. Human PTGER4 Protein, hFc Tag on SDS-PAGE under reducing condition.

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