

PTGR1 recombinant protein

PTGR1, 1-329aa, Human, His tag, E Coli,

CATALOG # AAA48770	HOST E Coli	APPLICATIONS SDS-Page
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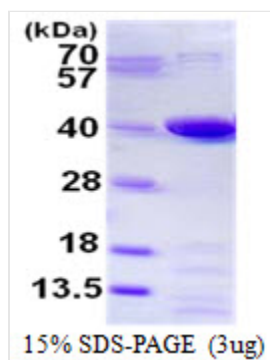
PRODUCT SYNONYMS

PTGR1; 1-329aa; Human; His tag; E Coli; ; prostaglandin reductase 1; LTB4DH; PGR1; ZADH3; PTGR1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer, pH7.5, 10% glycerol, 1mM DTT, 200mM NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MGSEFMVRTK TWTLKKHFGV YPTNSDFELK TAEPLPLKNG EVLLEALFLT VDPYMRVAAK RLKEGDTMMG QQVAKVVESK NVALPKGTV LASPGWTTTHS ISDGKDLEKL LIEWPDTIPL SLALGTVGMP GLTAYFGLLE ICGVKGGETV MVNAAAGAVG SVVGQIAKLK GCKVVGAVGS DEKVAYLQKL GFDVVFNYKT VESLEETLKK ASPDGYDCYF DNVGGEFSNT VIGQMKKFGR IAICGAISTY NRTGPLPPGP PPEIVYQEL RMEAFVYRW QGDARQKALK DLLKWLLEGG IQYKEYIIEG FENMPAAFMG MLKGDNLGKT IVKA
Sequence Length	329
Applicable Applications for PTGR1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Domain	1-329aa
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for PTGR1 recombinant protein	PTGR1, also known as LTB4DH, belongs to the NADP-dependent oxidoreductase L4BD family. This enzyme catalyzes the conversion of leukotriene B4 into its biologically less active metabolite, 12-oxo-leukotriene B4. This is an initial and key step of metabolic inactivation of leukotriene B4. It is highly expressed in the kidney, liver, and intestine but not in leukocytes. Recombinant human PTGR1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for PTGR1 recombinant protein	Signal Transduction
References	Yokomizo T., et al. (1996) J. Biol. Chem. 271:2844-2850; Tai, H.H., et al. (2002). Prostaglandins Other Lipid Mediat. 68-69: 483-493.

NCBI AND UNIPROT INFORMATION

NCBI GI #	226059133
NCBI GeneID	22949
NCBI Accession #	NP_036344
NCBI GenBank Nucleotide #	NM_012212.3
UniProt Accession #	Q14914; Q8IYQ0; Q9H1X6; A8K0N2; B4DPK3; F5GY50
Molecular Weight	38.6kDa (354aa), confirmed by MALDI-TOF
NCBI Official Full Name	prostaglandin reductase 1 isoform 1
NCBI Official Synonym Full Names	prostaglandin reductase 1
NCBI Official Symbol	PTGR1
NCBI Official Synonym Symbols	PGR1; ZADH3; LTB4DH
NCBI Protein Information	prostaglandin reductase 1
UniProt Protein Name	Prostaglandin reductase 1
UniProt Gene Name	PTGR1
UniProt Synonym Gene Names	LTB4DH; PRG-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.