

Active Recombinant Full Length Human PTGR1 Protein, C-Flag-tagged

Cat. No. PTGR1-354HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PTGR1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes an enzyme that is involved in the inactivation of the chemotactic factor, leukotriene B4. The encoded protein specifically catalyzes the NADP+ dependent conversion of leukotriene B4 to 12-oxo-leukotriene B4. A pseudogene of this gene is found on chromosome 1. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Probe target
Molecular Mass	35.7 kDa
AA Sequence	MVRTKTWTLKKHFVGYPNTSDFELKTSELPPLKNGEVLLEALFLTVDPYMRVAAKRL KEGDTMMGQQVAK VVESKNVALPKGTVLASPGWTTTHSISDGKDLEKLLTEWPDTI PLSLALGTVGMPGLTAYFGLLEICGVK GGETVMVNAAAGAVGSVVGQIAKLKGCKV VGAVGSDEKVAYLQKLGFDVVFNYKTVESLEETLKKASPDG YDCYFDNVGGEFSN TVIGQMKKFGRIAICGAISTYNRTGPLPPGPPPEIVYQELRMEAFVVYRWQGDAR

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	QKALKDLLKVVLEGKIQYKEYIIEGFENMPAAFMGMLKGDNLGKTIVKATRTRPLEQ KLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	PTGR1 prostaglandin reductase 1 [Homo sapiens (human)]
Official Symbol	PTGR1
Synonyms	PGR1; DIG-1; ZADH3; LTB4DH
Gene ID	22949
mRNA Refseq	NM_012212.3

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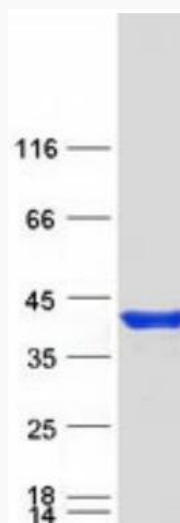
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Protein Refseq NP_036344.2

MIM 601274

UniProt ID Q14914



Coomassie blue staining of purified PTGR1 protein.

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