Recombinant Human PTGR1 293 Cell Lysate

Cat. No. PTGR1-2708HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for prostaglandin reductase 1 (PTGR1), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	PTGR1 prostaglandin reductase 1 [Homo sapiens]
Official Symbol	PTGR1
Synonyms	PTGR1; prostaglandin reductase 1; leukotriene B4 12 hydroxydehydrogenase , LTB4DH; ZADH3; zinc binding alcohol dehydrogenase domain containing 3; PRG-1; 15-oxoprostaglandin 13-reductase; leukotriene B4 12-hydroxydehydrogenase; NADP-dependent leukotriene B4 12-hydroxydehydrogenase; PGR1; LTB4DH; FLJ99229; MGC34943;
Gene ID	22949
mRNA Refseq	NM_001146108
Protein Refseq	NP_001139580
MIM	601274
UniProt ID	Q14914
Chromosome Location	9q32
Function	15-oxoprostaglandin 13-oxidase activity; 2-alkenal reductase [NAD(P)] activity; alcohol dehydrogenase (NAD) activity; nucleotide binding; oxidoreductase activity;

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