Recombinant Human PTGES2 293 Cell Lysate

Cat. No. PTGES2-2714HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for prostaglandin E synthase 2 (PTGES2), transcript variant 4 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	PTGES2 prostaglandin E synthase 2 [Homo sapiens]
Official Symbol	PTGES2
Synonyms	PTGES2; prostaglandin E synthase 2; C9orf15, chromosome 9 open reading frame 15; FLJ14038; GATE-binding factor 1; microsomal prostaglandin E synthase-2; membrane-associated prostaglandin E synthase 2; gamma-interferon-activated transcriptional element-binding factor 1; GBF1; GBF-1; PGES2; C9orf15; mPGES-2; MGC11289;
Gene ID	80142
mRNA Refseq	NM_198940
Protein Refseq	NP_945178
MIM	608152
UniProt ID	Q9H7Z7
Chromosome Location	9q34.12
Pathway	Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Eicosanoid Synthesis, organism-specific

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	biosystem; IFN-gamma pathway, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; prostanoid biosynthesis, organism-specific biosystem;
Function	DNA binding; electron carrier activity; isomerase activity; prostaglandin-E synthase activity; protein disulfide oxidoreductase activity;

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