

Recombinant Human PTGR2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PTGR2-5143H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PTGR2 MS Standard C13 and N15-labeled recombinant protein (NP_689657) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an enzyme involved in the metabolism of prostaglandins. The encoded protein catalyzes the NADPH-dependent conversion of 15-keto-prostaglandin E 2 to 15-keto-13,14-dihydro-prostaglandin E2. This protein may also be involved in regulating activation of the peroxisome proliferator-activated receptor. Alternative splicing results in multiple transcript variants.
Molecular Mass	38.5 kDa
AA Sequence	MIVQRVVLNSRPGKNGNPVAENFRMEEVYLPDNINEGQVQVRTL YLSVDPYMR CR MNEDTGTDYITPWQLSQVVDGGGIGIIEESKHTNLTKGDFVTSFYWPWQTKVILDGN SLEKVDPQLVDGHL SYFLGAIGMPGLTSLIGIQEKGHITAGSNKTMVVS GAAGACGS VAGQIGHFLGCSR VVGICGTHEKCILLTSELGFDAAINYKKDNVAEQLRESCPAGVD VYFDNVGGNISDTVISQMNENSHIILCGQISQYNKDVPYPPPLSPAIEAIQKERNITRE RFLVLNYKDKFEPGILQLSQWFKEGKLKIKETVINGLENMGAAFQSMMTGGNIGKQI VCISEEISLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

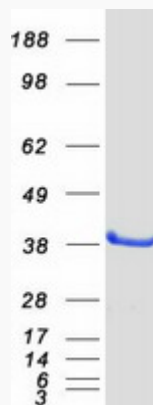
GENE INFORMATION

Gene Name	PTGR2 prostaglandin reductase 2 [Homo sapiens (human)]
Official Symbol	PTGR2
Synonyms	PTGR2; prostaglandin reductase 2; ZADH1, zinc binding alcohol dehydrogenase domain containing 1; FLJ39091; PRG-2; 15-oxoprostaglandin 13-reductase; 15-oxoprostaglandin-delta13-reductase; zinc binding alcohol dehydrogenase, domain containing 1; zinc-binding alcohol dehydrogenase domain-containing protein 1; PGR2; ZADH1; FLJ99229; DKFZp686P10120;
Gene ID	145482
mRNA Refseq	NM_152444
Protein Refseq	NP_689657
MIM	608642
UniProt ID	Q8N8N7

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SDS-PAGE

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