

# Recombinant Full Length Human PTGR2 Protein, C-Flag-tagged

**Cat. No.** PTGR2-1260HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human PTGR2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 38.3 kDa                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MIVQRVVLNSRPGKNGNPVAENFRMEEVYLPDNINEGQVQVVRTLYLSVDPYMRCRMNEDTGTDYITPWQL SQVVDGGGIGIIIESKHTNLTKGDFVTSFYWPWQTKVILDGNSLEKVDPQLVDGHLSTYFLGAIGMPGLTS LIGIQEKGHITAGSNKTMVVSGAAGACGSVAGQIGHFLGCSRVGICGTHEKCILLTSELGFDAAINYKK DNVAEQLRESCPAGVDVYFDNVGGNISDTVISQMNENSHILCGQISQYNKDVPYPPPLSPAIEAIQKER NITERFLVLNYKDKFEPGILQLSQWFKEGKLKIKETVINGLENMGAAFQSMMTGGNIGKQIVCISEEIS                          |

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

## GENE INFORMATION

|                        |                                                          |
|------------------------|----------------------------------------------------------|
| <b>Gene Name</b>       | PTGR2 prostaglandin reductase 2 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | PTGR2                                                    |
| <b>Synonyms</b>        | PGR2; ZADH1; HEL-S-298                                   |
| <b>Gene ID</b>         | 145482                                                   |
| <b>mRNA Refseq</b>     | NM_152444.4                                              |
| <b>Protein Refseq</b>  | NP_689657.1                                              |

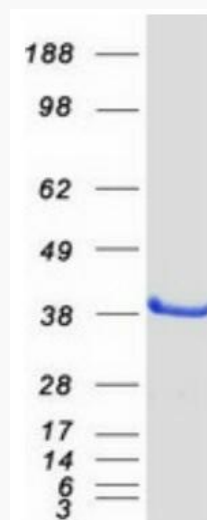
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MIM 608642

UniProt ID Q8N8N7



Coomassie blue staining of purified PTGR2 protein.

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