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32-2766: PTGR2 Recombinant Protein

Alternative Name : Prostaglandin reductase 2,PRG-2,15-oxoprostaglandin 13-reductase,Zinc-binding alcohol dehydrogenase domain-containing protein 1,PTGR2,ZADH1,PGR2.

Description

Source : Escherichia Coli. PTGR2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 375 amino acids (1-351) and having a molecular mass of 41.1kDa.PTGR2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Prostaglandin Reductase 2 (PTGR2) is a member of the medium-chain dehydrogenase/reductase superfamily. PTGR2 is an enzyme involved in the metabolism of prostaglandins. PTGR2 catalyzes an NADPH-dependent reduction of the conjugated alpha, beta-unsaturated double bond of 15-keto-PGE(2), which is a fundamental step in terminal inactivation of prostaglandins and suppression of PPARgamma-mediated adipocyte differentiation. Selective inhibition of PTGR2 may be a factor in the improvement of insulin sensitivity with fewer side effects. PTGR2 may also be involved in controlling activation of the peroxisome proliferator-activated receptor.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The PTGR2 solution (1mg/ml) contains 20mM Tris-HCl buffer, pH8.0, 10% glycerol, 1mM DTT and 50mM NaCl.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHMIVQRV VLNSRPGKNG NPVAENFRME EVYLPDNINE GQVQVRTLYL SVDPYMRCRM NEDTGTDYIT PWQLSQVVDG GGIGIIEESK HTNLTKGDFV TSFYWPWQTK VILDGNSLEK VDPQLVDGHL SYFLGAIGMP GLTSLIGIQE KGHITAGSNK TMVVSGAAGA CGSVAGQIGH FLGCSRVVGI CGTHEKCILL TSELGFDAAI NYKKDNVAEQ LRESCPAGVD VYFDNVGGNI SDTVISQMNE NSHIILCGQI SQYNKDVPYP PPLSPAIEAI QKERNITRER FLVLNYKDKF EPGILQLSQW FKEGKLKIKE TVINGLENMG AAFQSMMTGG NIGKQIVCIS EEISL.