

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 SGLVPRGSH MGS HMIVQRV VLNSRPGKNG NPVAENFRME EVYLPDNINE GQVQVRTLYL SVDPYMRCRM NEDTGTDYIT PWQLSQVVDG GGIGIIEESK HTNLTKGDFV TSFYWPWQTK VILDGNSLEK VDPQLVDGHL SYFLGAIGMP GLTSLIGIQE KGHITAGSNK TMVVS GAAGA CGSVAGQIGH FLGCSRVVG I CGTHEKCILL TSELGFDAAI NYKKNVAEQ LRESCPAGVD VYFDNVGGNI SDTVISQMNE NSHIILCGQI SQYNKDVYP PPLSPAIEAI QKERNITRER FLVLNYKDKF EPGILQLSQW FKEGKLIKE TVINGLENMG AAFQSMMTGG NIGKQIVCIS EEISL.