

AR50329PU-N

Human ZADH1 (1-351, His-tag) - Purified

Alternate names:	15-oxoprostaglandin 13-reductase, PRG-2, PTGR2, Prostaglandin-reductase 2, Zinc-binding alcohol dehydrogenase domain-containing protein 1
Quantity:	0.25 mg
Concentration:	1mg/ml (determined by Bradford assay)
Background:	PTGR2 belongs to the medium-chain dehydrogenase/reductase superfamily. PTGR2 catalyzes an NADPH-dependent reduction of the conjugated alpha,beta-unsaturated double bond of 15-keto-PGE(2), a key step in terminal inactivation of prostaglandins and suppression of PPARgamma-mediated adipocyte differentiation. Selective inhibition of PTGR2 may contribute to the improvement of insulin sensitivity with fewer side effects.
Uniprot ID:	Q8N8N7
NCBI:	NP_689657
GeneID:	145482
Species:	Human
Source:	E. coli
Format:	Purity: >90% by SDS - PAGE Buffer System: 1mg/ml (determined by Bradford assay)
Description:	Recombinant human PTGR2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSIMIVQRV VLNSRPGKNG NPVAENFRME EVYLPDNINE GQVQVRTLYL SVDPMRCRM NEDTGTDYIT PWQLSQVVDG GGIGIEESK HTNLTGDFV TSFYWPWQTK VILDGNSLEK VDPQLVDGHL SYFLGAIGMP GLTSLIGIQE KGHITAGSNK TMVVSQAAGA CGSVAGQIGH FLGCSRVTGI CGTHEKCILL TSELGFDAAI NYKKDNVAEQ LRESCPAGVD VYFDNVGGNI SDTVISQMNE NSHILCGQI SQYNKDVYPY PPLSPAIEAI QKERNITRER FLVLNYKDKF EPGILQLSQW FKEGKLKIKE TVINGLENMG AAFQSMMTGG NIGKQIVCIS EEISL Molecular weight: 41.1 kDa (375aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Wu Y.H., et al. (2008) Structure 16:1714-1723Auld, D.S. et al. (2008) Cell. Mol. Life Sci. 65: 3961-3970.

Pictures:

