

PTGR2, 1-351aa, Human, His tag, E.coli

Cat.NO.: TP03590

3th Edition

Synonyms:Prostaglandin reductase 2, PGR2, ZADH1.

Description: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.

Form:Liquid. In 20 mM Tris-HCl buffer, pH8.0, 10% glycerol, 1mM DTT, 50mM NaCl

Molecular Weight:41.1 kDa (375aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMIVQRVVLNSRPGKNGNPVAENFRMEEVYLPDNINEGQVQVRTLKLSVDP
YMRCRMNEDTGTDYITPWQLSQVVDGGGIGIIEESKHTNLTKGDFVTSFYWPWQTKVILDGNSLEKVDLPQLVDGHL
SYFLGAIGMPGLTSLIGIQEKGHITAGSNKTMVVSAGACGSVAGQIGHFLGCSR VVGICGTHEKCILLTSELGFDA
AINYKKNVAEQLRESCPAGVDVYFDNVGGNISDTVISQMNENSHIILCGQISQYNKDVPYPPPLSPAIEAIQKERNIT
RERFLVLNYKDKFEPGILQLSQWFKEGKLIKETVINGLENMGAAFQSMMTGGNIGKQIVCISEEISL

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.