

32-2765: PTGR1 Recombinant Protein

Alternative Name : Prostaglandin reductase 1, PRG-1, 15-oxoprostaglandin 13-reductase, NADP-dependent leukotriene B4 12-hydroxydehydrogenase, PTGR1, LT4DH, PGR1, ZADH3.

Description

Source : Escherichia Coli. PTGR1 Human Recombinant produced in E. coli is a single polypeptide chain containing 354 amino acids (1-329) and having a molecular mass of 38.6kDa. PTGR1 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Prostaglandin Reductase 1 (PTGR1) is a member of the NADP-dependent oxidoreductase L4BD family. PTGR1 catalyzes the conversion of leukotriene B4 into its biologically less active metabolite, 12-oxo-leukotriene B4, thus being a primary step of metabolic inactivation of leukotriene B4. PTGR1 is highly expressed in the kidney, liver, and intestine but not in leukocytes.

Product Info

Amount : 20 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : The PTGR1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer, pH7.5, 10% glycerol, 1mM DTT and 200mM 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 MGSEFMVRTK TWTLKKHFVG YPTNSDFELK TAEPLPLKNG EVLLEALFLT VDPYMRVAAK RLKEGDTMMG QQVAKVVESK NVALPKGTV LASPGWTTTHS ISDGKDLEKL LIEWPDTIPL SLALGTVGMP GLTAYFGLLE ICGVKGGETV MVNAAAGAVG SVVGQIAKLK GCKVVGAVGS DEKVAYLQKL GFDVVFNYKT VESLEETLKK ASPDGYDCYF DNVGGEFSNT VIGQMKKFGR IAICGAISTY NRTGPLPPGP PPEIVIYQEL RMEAFVVYRW QGDARQKALK DLLKWVLEGG IQYKEYIEG FENMPAAFMG MLKGDNLGKT IVKA.

