

32-2763: PTGES2 Recombinant Protein

Alternative Name : Prostaglandin E synthase 2, Microsomal prostaglandin E synthase 2, mPGES-2, PTGES2, C9orf15, PGES2, GBF1.

Description

Source : Escherichia Coli. PTGES2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 206 amino acids (1-186 a.a.) and having a molecular mass of 23.5kDa. PTGES2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. PTGES2 is a membrane-associated prostaglandin E synthase, which catalyzes the conversion of prostaglandin H2 to prostaglandin E2. Additionally, PTGES2 activates the transcription regulated by a gamma-interferon-activated transcription element. PTGES2 is widely expressed- in the heart, including apex, inter-ventricular septum, both atria and ventricles, but not in the aorta. PTGES2 is also expressed in fetal heart. PTGES2 is detected in various regions of the brain: cerebellum; occipital, frontal and parietal lobes. It is also expressed in the lymph nodes, skeletal muscle, kidney and trachea, but not in the thymus or lung. PTGES2 is overexpressed in colorectal cancer.

Product Info

Amount : 20 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : PTGES2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 20% glycerol, 2mM DTT and 0.2M 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 MKAVNEQGKE VTEFGNKYWL MLNEKEAQQV YGGKEARTEE
MKWRQWADDW LVHLISPNVY RTPTEALASF DYIVREGKFG AVEGAVAKYM GAAAMYLSK
RLKSRHRLQD NVREDLYEAA DKWVAAVGKD RPFMGGQKPN LADLAVYGV LRVMEGLDAFD
DLMQHTHIQP WYLRVERAIT EASPAH.

