

Proteoliposomes

Full-Length

PTGER3 (Human) Recombinant Protein

Catalog # H00005733-G01

Size 2 ug

Specification

Product Description	Human PTGER3 full-length ORF (NP_942008.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MKETRGYG DAPFCTRLNHSY TGMWAPERSAEARGNL TRPPGSGEDCGSVSVAFPITMLLTGFV GNALAMLLVSRSYRRRESKRKKSFLLCIGWLALTDLVGQLLTPVVIVVYLSKQRWEHIDPSGRLC TFFGLTMTV FGLSSLFIASAM AVERALAIRAPHWYASHMKTRATRAVLLGVWLAVLAFALLPVLGV GQYTVQWP GTWCFISTGRGGNGTSSSHNWGNLFFASAF AFLGLLALT VTFSCNLATIKALVSRCR AKATASQSSAQWGRITTETAIQLMGIMCVLSVCWSP LLIMMLKMIFNQTSVEHCKTHTEKQKECNF FLIAVRLASLNQILD PWVYLLLRKILLRKFCQVANAVSSCSNDGQKGQPISLSNEIIQTEA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	42.7
Form	Liquid
Preparation Method	in vitro wheat germ expression system with proprietary liposome technology
Purification	None
Recommend Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — PTGER3

Entrez GeneID [5733](#)

GeneBank Accession# [NM_198715.2](#)

Protein Accession# [NP_942008.1](#)

Gene Name PTGER3

Gene Alias EP3, EP3-I, EP3-II, EP3-III, EP3-IV, EP3e, MGC141828, MGC141829, MGC27302

Gene Description prostaglandin E receptor 3 (subtype EP3)

Omim ID [176806](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the G-protein coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). This receptor may have many biological functions, which involve digestion, nervous system, kidney reabsorption, and uterine contraction activities. Studies of the mouse counterpart suggest that this receptor may also mediate adrenocorticotrophic hormone response as well as fever generation in response to exogenous and endogenous stimuli. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000011033|OTTHUMP00000011034|OTTHUMP00000011035|PGE receptor, EP3 subtype|prostaglandin E receptor EP3 subtype 3 isoform|prostaglandin E receptor 3, subtype EP3|prostaglandin E2 receptor|prostaglandin receptor (PGE-2)|prostanoid EP3 receptor

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alzheimer disease](#)
- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)

- [Connective Tissue Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Infection](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Musculoskeletal Diseases](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Skin Diseases](#)
- [Tobacco Use Disorder](#)