

# Product Information

## MemDX™ Membrane Protein Human PTGER3 (Prostaglandin E receptor 3) with N-GST tag for Antibody Discovery

Cat. No.: **MP1057X**

This product is for research use only and is not intended for diagnostic use.

This product is a 69.1 kDa Human PTGER3 membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

PTGER3

#### Protein Length

Full-length

#### Molecular Weight

69.1 kDa

#### TMD

7

#### Sequence

MKETRGYGGDAPFCTRLNHSYTG MWAPERSAEARGNLTRPPGSGEDCGSVSVAFPI TMLLTGFVGNALAMLLVSR SYRRRESKR

### Product Description

#### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

#### Expression Systems

*in vitro* wheat germ expression system

#### Tag

GST-tag at N-terminal

#### Form

Liquid

#### Purification

Glutathione Sepharose 4 Fast Flow

**Buffer**

50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

PTGER3

**Full Name**

Prostaglandin E receptor 3

**Introduction**

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.

**Alternative Names**

EP3; EP3e; EP3-I; EP3-II; EP3-IV; EP3-VI; PGE2-R; EP3-III; Inc003875

**Gene ID**

[5733](#)

**UniProt ID**

[P43115](#)