

**PRODUCT INFORMATION**

<b>Tag</b>	C-Flag Tag
<b>Expression Host</b>	HEK293
<b>Target</b>	PE2R3
<b>Synonyms</b>	EP3, EP3-I, EP3-II, EP3-III, EP3-IV, EP3-VI, EP3e, PGE2-R, Inc003875
<b>Description</b>	Human PE2R3 full length protein-synthetic nanodisc
<b>Uniprot ID</b>	P43115
<b>Protein Families</b>	GPCR, Transmembrane, Transcription Factors, Druggable Genome,
<b>Protein Pathways</b>	GPCRDB Class A Rhodopsin-like, Prostaglandin synthesis regulation, Small ligand GPCRs,
<b>Molecular Weight</b>	The human full length PE2R3 protein has a MW of 43.3kDa
<b>Delivery</b>	6~8weeks
<b>Formulation &amp; Reconstitution</b>	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution
<b>Sterility</b>	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
<b>Storage &amp; Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Background</b>	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, Aug 2009]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated

