PRODUCT INFORMATION

Tag	C-Flag Tag
Expression Host	HEK293
Target	PE2R3
Synonyms	EP3, EP3-I, EP3-II, EP3-III, EP3-IV, EP3-VI, EP3e, PGE2-R, Inc003875
Description	Human PE2R3 full length protein-synthetic nanodisc
Uniprot ID	P43115
Protein Families	GPCR,Transmembrane,Transcription Factors,Druggable Genome,
Protein Pathways	GPCRDB Class A Rhodopsin-like,Prostaglandin synthesis regulation,Small ligand GPCRs,
Molecular Weight	The human full length PE2R3 protein has a MW of 43.3kDa
Delivery	6~8weeks
Formulation & Reconstitution	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
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
Storage&Shipping	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.
Background	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 adrenocorticotropic 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]
Usage	Research use only
Conjugate	Unconjugated