Human G37L1-Strep full length protein-synthetic nanodisc

Cat. No. FLP120250

PRODUCT INFORMATION

Tag	**Warning**: Undefined variable $hasAttributeValueDescription in **/www/wwwroot/tech.dimabio.cn/wp-content/plugins/woocommerce-print-products/public/class-woocommerce-print-products-public.php** on line **2806** C-Flag&Strep Tag
Target	G37L1
Synonyms	ET(B)R-LP-2, ETBR-LP-2, ETBRLP2
Description	Human G37L1-Strep full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	O60883
Expression Host	HEK293
Protein Families	GPCR,Transmembrane,Druggable Genome,
Protein Pathways	GPCRDB Class A Rhodopsin-like,
Molecular Weight	The human full length G37L1-Strep protein has a MW of 52.8 kDa
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
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	G-protein coupled receptor (PubMed:27072655). Has been shown to bind the neuroprotective and glioprotective factor prosaposin (PSAP), leading to endocytosis followed by an ERK phosphorylation cascade (PubMed:23690594). However, other studies have shown that prosaposin does not increase activity (PubMed:27072655, PubMed:28688853). It has been suggested that GPR37L1 is a constitutively active receptor which signals through the guanine nucleotide-binding protein G(s) subunit alpha (PubMed:27072655). Participates in the regulation of postnatal cerebellar development by modulating the Shh pathway (By similarity). Regulates baseline blood pressure in females and protects against cardiovascular stress in males (By similarity). Mediates inhibition of astrocyte glutamate transporters and reduction in neuronal N-methyl-D-aspartate receptor activity (By similarity).[UniProtKB/Swiss-Prot Function]
Usage	Research use only
Conjugate	Unconjugated

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