

## **PRODUCT INFORMATION**

Tag C-Flag Tag **Target** G37L1

**Synonyms** ET(B)R-LP-2, ETBR-LP-2, ETBRLP2

Human G37L1 full length protein-synthetic **Description** 

nanodisc **Delivery** 6~8weeks **Uniprot ID** 060883 **Expression Host HEK293** 

Reconstitution

**Background** 

**Protein Families** GPCR, Transmembrane, Druggable Genome,

**Protein Pathways** GPCRDB Class A Rhodopsin-like,

The human full length G37L1 protein has a MW of **Molecular Weight** 

52.8kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before Formulation &

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

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). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

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 cascade have shown that prosaposin does not 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-

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D-aspartate receptor activity (By similarity).[UniProtKB/Swiss-Prot Function]

Usage Research use only Conjugate Unconjugated

