

PRODUCT INFORMATION

Tag	C-Flag Tag
Expression Host	HEK293
Target	MRGX1
Synonyms	GPCR, MGRG2, MRGX1, SNSR4
Description	Human MRGX1 full length protein-synthetic nanodisc
Uniprot ID	Q96LB2
Protein Families	GPCR, Transmembrane, Druggable Genome,
Protein Pathways	N/A
Molecular Weight	The human full length MRGX1 protein has a MW of 36.3kDa
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	Orphan receptor. Probably involved in the function of nociceptive neurons. May regulate nociceptor function and/or development, including the sensation or modulation of pain. Potently activated by enkephalins including BAM22 (bovine adrenal medulla peptide 22) and BAM (8-22)(PubMed:26582731). BAM22 is the most potent compound and evoked a large and dose-dependent release of intracellular calcium in stably transfected cells. G(alpha)q proteins are involved in the calcium-signaling pathway. Activated by the antimalarial drug, chloroquine. May mediate chloroquine-induced itch, in a histamine-independent manner.[UniProtKB/Swiss-Prot Function]
Usage	Research use only
Conjugate	Unconjugated

