

PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Target	LT4R1
Synonyms	BLT1, BLTR, CMKRL1, GPR16, LTB4R1, LTBR1, P2RY7, P2Y7
Description	Human LT4R1-Strep full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	Q15722
Expression Host	HEK293
Protein Families	GPCR,Transmembrane,Druggable Genome, GPCRDB Class A Rhodopsin-like,Nucleotide GPCRs,Cancer,Chemokines,Asthma,Autoimmune & Inflammatory Response,Chemokine and Receptor,
Protein Pathways	
Molecular Weight	The human full length LT4R1-Strep protein has a MW of 37.6 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 specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
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	Receptor for extracellular ATP > UTP and ADP. The activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. May be the cardiac P2Y receptor involved in the regulation of cardiac muscle contraction through modulation of L-type calcium currents. Is a receptor for leukotriene B4, a potent chemoattractant involved in inflammation and immune response.[UniProtKB/Swiss-Prot Function]
Usage	Research use only
Conjugate	Unconjugated

