Nanodisc Human CLTR1-Strep Protein

HDFP952

Product Information

Product SKU:	HDFP952	**Expression Host**:	HEK293	**Size**:	10µg
Target:	CLTR1	**Tag**:	C-Flag&Strep Tag		

Additional Information

Conjugate:	Unconjugated	**Uniprot ID:**	Q9Y271
Molecular Weight:	The human full length CLTR1-Strep protein has a MW of 38.5 kDa		

Protein Information

Background:	This gene encodes a member of the G-protein coupled receptor 1 family. The encoded protein is a receptor for cysteinyl leukotrienes, and is involved in mediating bronchoconstriction via activation of a phosphatidylinositol-calcium second messenger system. Activation of the encoded receptor results in contraction and proliferation of bronchial smooth muscle cells, eosinophil migration, and damage to the mucus layer in the lung. Upregulation of this gene is associated with asthma and dysregulation may also be implicated in cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]
Synonyms:	CYSLT1, CYSLT1R, CYSLTR, HMTMF81
Protein Description:	Human CLTR1-Strep full length protein-synthetic nanodisc
Formulation:	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.
Protein Pathways:	GPCRDB Class A Rhodopsin-like, Cancer, Asthma, Autoimmune & Inflammatory Response.
Protein Families:	GPCR, Transmembrane, Druggable Genome.
Usage:	Research use only

Contact Details | Dublin, Ireland
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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.

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