UTS2R Human Protein

PRODUCT OVERVIEW

Product Name	UTS2R, Protein
Full Product Name	Human UTS2R full length protein-synthetic nanodisc
Product Gene Name	UTS2R protein
Product Synonym Names	GPR14; UR-2-R; UTR; UTR2
Host	HEK293
Form/Format	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.
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing).
Molecular Weight	389
OMIM	600896
3D Structure	ModBase 3D Structure for Q9UKP6
Product Categories/Family for UTS2R protein	FLP 489; Full Length Transmembrane Proteins
Related Product Information for UTS2R protein	High affinity receptor for urotensin-2 and urotensin-2B. The activity of this receptor is mediated by a G-protein that activate a phosphatidylinositol-calcium second messenger system.[UniProtKB/Swiss-Prot Function]
Other Notes	Small volumes of UTS2R protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for UTS2R purchase	MBS189893 is a protein targeting UTS2R. Also known as Human UTS2R full length protein-synthetic nanodisc. Host: HEK293.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UTS2R. It may not necessarily be applicable to this product.

NCBI GI #	8928474
NCBI GeneID	2837
NCBI Accession #	Q9UKP6.1
UniProt Primary Accession #	Q9UKP6
UniProt Secondary Accession #	B2RMV8
UniProt Related Accession #	Q9UKP6
NCBI Official Full Name	Urotensin-2 receptor
NCBI Official Synonym Full Names	urotensin 2 receptor
NCBI Official Symbol	UTS2R
NCBI Official Synonym Symbols	UTR; UTR2; GPR14; UR-2-R
UniProt Protein Name	Urotensin-2 receptor

UniProt Synonym Protein Names	G-protein coupled receptor 14; Urotensin II receptor; UR-II-R
Protein Family	Urotensin-2 receptor
UniProt Gene Name	UTS2R
UniProt Synonym Gene Names	GPR14; UR-2-R; UR-II-R
UniProt Entry Name	UR2R_HUMAN
NCBI Protein Information	urotensin-2 receptor; UR-II-R; urotensin II receptor; G protein-coupled receptor 14; G-protein coupled receptor 14
UniProt Comments for UTS2R	UTS2R: High affinity receptor for urotensin-2 and urotensin-2B. The activity of this receptor is mediated by a G-protein that activate a phosphatidylinositol-calcium second messenger system. Belongs to the G-protein coupled receptor 1 family. Protein type: GPCR, family 1; Receptor, GPCR; Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 17q25.3 Cellular Component: recycling endosome; membrane; early endosome; plasma membrane; integral to membrane Molecular Function: G-protein coupled receptor activity; urotensin II receptor activity Biological Process: response to drug; G-protein coupled receptor protein signaling pathway; positive regulation of angiogenesis; elevation of cytosolic calcium ion concentration; positive regulation of fibroblast proliferation; positive regulation of circadian sleep/wake cycle, REM sleep; negative regulation of glomerular filtration; regulation of vasodilation; blood circulation; positive regulation of vasoconstriction; negative regulation of blood pressure; signal transduction; positive regulation of cell growth; positive regulation of blood pressure
Research Articles on UTS2R	**1.** UTR protein and mRNA levels were increased in colon cancer cell lines and in colon adenoma and adenocarcinoma. UTR appears to be involved in the regulation of colon cancer cell invasion and motility.
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