

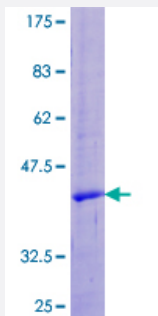
Full-Length

UTS2 (Human) Recombinant Protein (P01)

Catalog # H00010911-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human UTS2 full-length ORF (NP_006777.1, 1 a.a. - 124 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MYKLASCCLLFIGFLNPLLSLPLLDREISFQLSAPHEDARLTPEELERASLLQILPEMLGAERGDILRKADSSTNIFNPRGNLRKFQDFSGQDPNILLSHLLARWKPYPKKRETPDCFWKYCV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	40.7
Interspecies Antigen Sequence	Mouse (49); Rat (49)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — UTS2

Entrez GeneID [10911](#)

GeneBank Accession# [NM_006786.2](#)

Protein Accession# [NP_006777.1](#)

Gene Name UTS2

Gene Alias PRO1068, U-II, UCN2, UII

Gene Description urotensin 2

Omim ID [604097](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a mature peptide that is an active cyclic heptapeptide absolutely conserved from lamprey to human. The active peptide acts as a vasoconstrictor and is expressed only in brain tissue. Despite the gene family name similarity, this gene is not homologous to urocortin, a member of the sauvagine/corticotropin-releasing factor/urotensin I family. Most of the proprotein is cleaved to make the mature peptide. Transcript variants encoding different preproprotein isoforms have been described for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000001357|OTTHUMP00000001358

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Diabetes](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Pre-Eclampsia](#)
- [Renal Insufficiency](#)
- [Werner syndrome](#)