

Recombinant Human SLC14A1 Protein (E2-L389), 8×His-MBP, Flag tagged

Cat. No. SLC14A1-1344S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-MBP-TEV-(GG)-SLC14A1(E2-L389)-Flag Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	E2-L389
Description	Urea channel that facilitates transmembrane urea transport down a concentration gradient. A constriction of the transmembrane channel functions as selectivity filter through which urea is expected to pass in dehydrated form. The rate of urea conduction is increased by hypotonic stress. Plays an important role in the kidney medulla collecting ducts, where it allows rapid equilibration between the lumen of the collecting ducts and the interstitium, and thereby prevents water loss driven by the high concentration of urea in the urine. Facilitates urea transport across erythrocyte membranes. May also play a role in transmembrane water transport, possibly by indirect means.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Formulation:
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	SLC14A1 solute carrier family 14 (urea transporter), member 1 (Kidd blood group) [Homo sapiens (human)]
Official Symbol	SLC14A1
Synonyms	SLC14A1; solute carrier family 14 (urea transporter), member 1 (Kidd blood group); JK; urea transporter 1; HsT1341; RACH1; RACH2; SLC14A1 JK; urea transporter-B1; urea transporter, erythrocyte; urea transporter JK glycoprotein; UT1; UTE; HUT11; UT-B1; FLJ33745; FLJ41687;
Gene ID	6563
mRNA Refseq	NM_001128588
Protein Refseq	NP_001122060
MIM	613868
UniProt ID	Q13336

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