



Human SLC4A7 peptide (DAG-P1169)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This locus encodes a sodium bicarbonate cotransporter. The encoded transmembrane protein appears to transport sodium and bicarbonate ions in a 1:1 ratio, and is thus considered an electroneutral cotransporter. The encoded protein likely plays a critical role in regulation of intracellular pH involved in visual and auditory sensory transmission. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Apr 2012]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	SLC4A7 solute carrier family 4, sodium bicarbonate cotransporter, member 7 [Homo sapiens (human)]
Official Symbol	SLC4A7
Synonyms	SLC4A7; solute carrier family 4, sodium bicarbonate cotransporter, member 7; NBC2; NBC3; SBC2; NBCN1; SLC4A6; sodium bicarbonate cotransporter 3; bicarbonate transporter; solute carrier family 4 member 7; sodium bicarbonate cotransporter 2; sodium bicarbonate cotransporter 2b; electroneutral Na/HCO(3) cotransporter;
Entrez Gene ID	9497

mRNA Refseq	NM_001258379.1
Protein Refseq	NP_001245308.1
UniProt ID	Q9Y6M7
Chromosome Location	3p22
Pathway	Bicarbonate transporters, organism-specific biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of inorganic cations/anions and amino acids/oligopeptides, organism-specific biosystem;
Function	inorganic anion exchanger activity; sodium:bicarbonate symporter activity;