SCN2B Protein, Human (HEK293, His)

Cat. No.:	HY-P76052
Synonyms:	Sodium channel subunit beta-2; SCN2B
Species:	Human
Source:	HEK293
Accession:	O60939 (M30-A159)
Gene ID:	6327
Molecular Weight:	Approximately 21-34 kDa due to the glycosylation

PROPERTIES

AA Sequence	M E V T V P A T L N V L N G S D A R L P C T F N S C Y T V N H K Q F S L N W T Y Q E C N N C S E E M F L Q F R M K I I N L K L E R F Q D R V E F S G N P S K Y D V S V M L R N V Q P E D E G I Y N C Y I M N P P D R H R G H G K I H L Q V L M E E P P E R D S T V A
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CSRP1, a protein with potential implications in neuronal development, engages in interactions with ASCC1, ASCC2, and TRIP4, suggesting a role in cellular processes. On the other hand, LCN1, also known as Lipocalin-1, emerges as a candidate involved in taste reception and the gustatory system. It may contribute to the concentration and delivery of sapid molecules, showcasing its potential role in sensory perception. With a broad ligand-binding capability, LCN1 accommodates a range of ligands, spanning lipids, retinoids, the antibiotic rifampicin, and microbial siderophores, reflecting its versatile ligand pocket. While predominantly existing as a monomer, LCN1 may also form homodimers. Notably, its interaction with LMBR1L mediates the endocytosis of LCN1, revealing a layer of regulatory complexity in its cellular functions.

Caution: Product has not been fully validated for medical applications. For research use only.

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