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NOT FOR USE IN HUMANS OR ANIMALS.

Recombinant human SCN5A protein

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Basic Information

Catalog Number:
Ag19275

Size:
50 μg

Form:
Available lyophilized

Species:
human

Expression Source:
e coli.-derived, PET28a, with N-terminal 6*His.

Biological Activity:
Not tested

Endotoxin Level:
Please contact the lab for more information

Peptide Sequence:
ATIAETEEKEKRFQEAMEMLKKEHEALTIRGVDTVSRS
SLEMSPLAPVNSHERRSKRRKRMSSGTEECGEDRLPKS
DSEDGPRAMNHLSLTRGLSRTSMKPRSSRGSIFTFRRR
DLGSEADFADDENSTAGESESHRTSLLVPWPLRRTSA
QGQPSPGTSAPGHALHGKKNSTVDCNGVVSLLGAG
DPEATSPGSHLLRPVMLEHPPDTTTPSEEPGGPQMLT
SQAPCVDGFEEPGARQRALSAVSVLTSALEELEESRH
KCPPCWNRLAQRYLIWECCPLWMSIKQGVKLVV
(422-714 aa encoded by BC140813)

Reconstitution and Storage

Reconstitution:
Reconstitute at 0.25 μg/μl in 200 μl sterile water for short-term storage.
After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage (see Stability and Storage for more details).
If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).
Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature (see below).

Purity

85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

Formulation

The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.

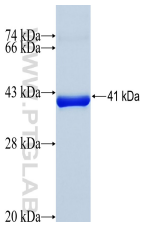
Stability and Storage

Store for up to 12 months at -20°C to -80°C as lyophilized powder.

Storage of Reconstituted Protein

Short Term Storage:
Store at 2-8°C for (1-2 weeks).
Long Term Storage:
Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution.
Avoid repeat freeze-thaw cycles.

Selected Validation Data



For technical support and original validation data for this product please contact:
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