HumanRecombinant Na+ Taurocholate Cotransporting Polypeptide (NTCP)

Catalog # IC8421

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

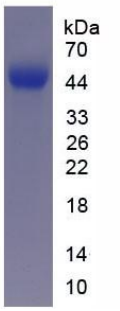
[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Met1~Ala349

Tags: N-terminal His Tag



Subcellular Location: Membrane

Purity: > 95%

Traits: Freeze-dried powder

Buffer formulation: 100mMNaHCO$_3$, 500mMNaCl,

pH8.3, containing 0.01% SKL, 5% Trehalose.

Original Concentration: 200μg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)
Predicted isoelectric point: 9.1

Predicted Molecular Mass: 41.8kDa

Accurate Molecular Mass: 46kDa as determined by SDS-PAGE reducing conditions.

Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows: 1.Splice variants: Alternative splicing may create different sized proteins from the same gene.

2. Relative charge: The composition of amino acids may affects the charge of the protein.
3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in 100mM NaHCO3, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

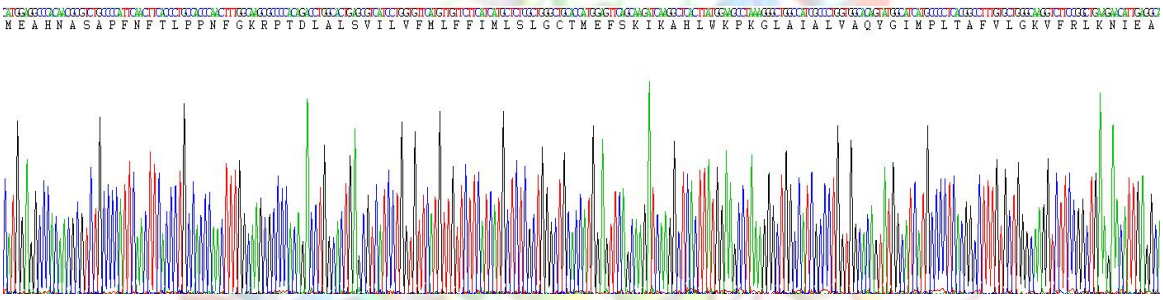
Storage: Avoid repeated freeze/thaw cycles.
Store at 2-8°C for one month.
Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

MEAHNASAPF NFTLPPNFGK RPTDLALSVI LVFMLFFIML SLGCTMEFSK
IKAHLWKPKG LAIALVAQYG IMPLTAFVLG KVFRLKNIEA LAILVCGCSP
GGNLSNVFSL AMKGDMNLSI VMTTCSTFCA LGMMPLLLYI YSRGIYDGDL
KDKVPYKGIV ISLVLVLIPC TIGIVLKSKR PQYMRYVIKG GMIIILLCSV
AVTVLSAINV GKSIMFAMTP LLIATSSLMP FIGFLLGYVL SALFCLNGRC
RRTVSMETGC QNVQLCSTIL NVAFPPEVIG PLFFFPLLYM IFQLGEGLLL
IAIFWCYEKF KTPKDKTKMI YTAATTEETI PGALGNGTYK GEDCSPCTA

[IDENTIFICATION]



[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.