

Recombinant Vesicular Monoamine Transporter 2 (VMAT2) Instruction Manual

SIPE757Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Cytoplasm
Predicted Molecular Mass	39.4kDa
Accurate Molecular Mass	34kDa(Analysis of differences refer to the manual)
Residues & Tags	Met1~Trp328 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	6.1
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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MALSELALVR WLQESRRSRK LILFIVFLAL LLDNMLLTVV VPIIPSYLYS  
IKHEKNATEI QTARPVHTAS ISDSFQSIFS YYDNSTMVTG NATRDLTLHQ  
TATQHMTNA SAVPSDCPSE DKDLLNENVQ VGLLFASKAT VQLITNPFIG  
LLTNRIGYPI PIFAGFCIMF VSTIMFAFSS SYAFLLIARS LQGIGSSCSS  
VAGMGMLASV YTDDEERGNV MGIALGGLAM GVLVGPPFGS VLYEFVGKTA  
PFLVLAALVL LDGAIQLFVL QPSRVQPESQ KGTPLTLLK DPYILIAAGS  
ICFANMGIAM LEPALPIWMM ETMCSRKW
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USAGE

Reconstitute in ddH₂O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

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

STABILITY

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.

Image

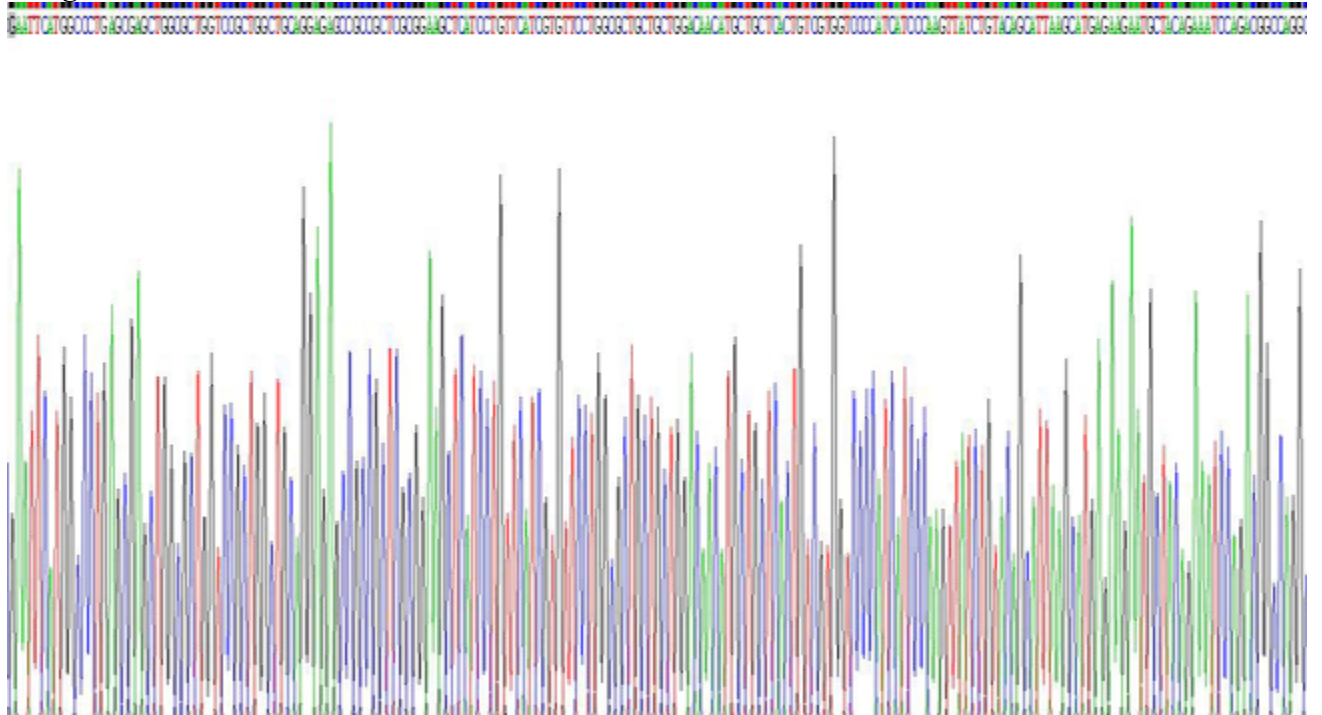


Figure. SDS-PAGE

[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.

