

Recombinant Glucocerebrosidase (GBA) Instruction Manual

SIPC437Hu03

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Lysosome
Predicted Molecular Mass	59.3kDa
Accurate Molecular Mass	59kDa(Analysis of differences refer to the manual)
Residues & Tags	Ala40~Gln536 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	> 90%
Isoelectric Point	7.7
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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                                     A RPCIPKSFY
SSVVCVCNAT YCDFDPPTF PALGTFSRYE STRSGRRMEL SMGPIQANHT
GTGLLLTLQP EQKFQKVKGF GGAMTDAAAL NILALSPPAQ NLLLKSYFSE
EGIGYNIIRV PMASCDFSIR TYTYADTPDD FQLHNFSLPE EDTKDKIPLI
HRALQLAQRV VSLLASPWTS PTWLKTNGAV NGKGSLSKQGP GDIYHQTWAR
YFVKFLDAYA EHKLQFWAVT AENEPSAGLL SGYPFQCLGF TPEHQDFIA
RDLGPTLANS THHNVRLLML DDQRLLLPHW AKVVLTDPEA AKYVHGIAVH
WYLDLFLAPAK ATLGETHRLF PNTMLFASEA CVGSKFWEQS VRLGSWDRGM
QYSHSIITNL LYHVVGWTDW NLALNPEGGP NWVRNFVDSF IIVDITKDTF
YKQPMFYHLG HFSKFIPEGS QRVGLVASQK NDLDVAALMH PDGSAVVVVL
NRSSKDVPLT IKDPAVGFLF TISPGYSIHT YLWRRQ
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USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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

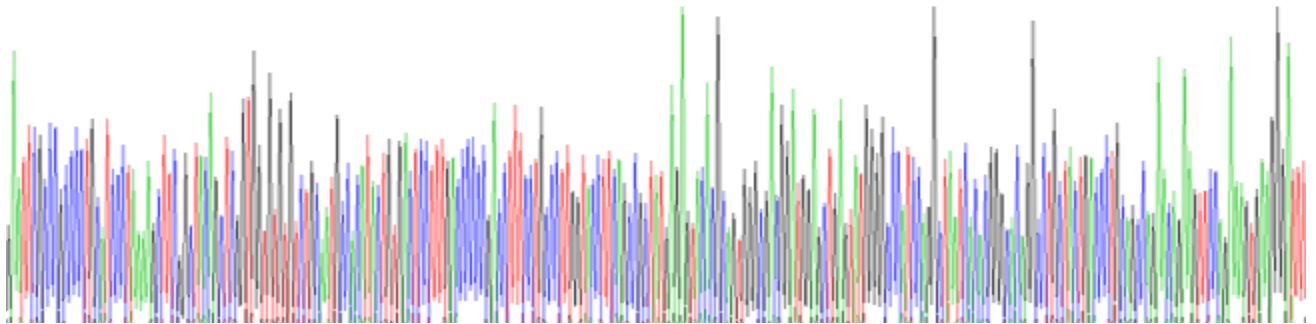
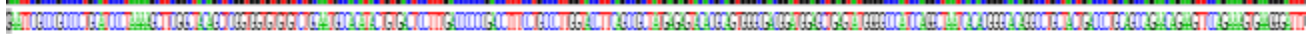


Figure. SDS-PAGE

[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.