

PRODUCT DATA SHEET

Insulin-Degrading Enzyme Human E. coli

Cat. No.: RD172201100**Size:** 0.1 mg**Source:** E. coli**Type:** Recombinant protein**Species:** Human**Other Names:**

Insulysin, Insulinase, Insulin protease

Description:

Total 1026 AA. MW: 119.0 kDa (calculated). UniProtKB acc.no. P14735 (Met1-Leu1019). C-terminal His-tag (7 extra AA). Protein identity confirmed by MS.

Amino Acid Sequence:

MRYRLAWLLH PALPSTFRSV LGARLPPPER LCGFQKKTYS KMNNPAIKRI GNHITKSPED
KREYRGLLELA NGIKVLLISD PTTDKSSAAL DVHIGSLSDP PNIAGLSHFC EHMLFLGTTK
YPKENEYSQF LSEHAGSSNA FTSGEHTNY FVDSHEHLEG ALDRFAQFFL CPLFDESCKD
REVNAVDSEH EKNVMNDAWR LFQLEKATGN PKHPFSKFGT GNKYTLETRP NQEGIDVRQE
LLKFHSAYYS SNLMAVCVLG RESLDDLTLN VVKLFSEVEN KNVPLPEFPE HPFQEEHLKQ
LYKIVPIKDI RNLYVTFFIP DLQKYYKSNP GHYLGHLIGH EPGSLLSEL KSKGWVNTLV
GGQKEGARGF MFFIINVDLT EEGLLHVEDI ILHMFQYIQK LRAEGPQEWV FQECKDLNAV
AFRFKDKERP RGYTSKIAGI LHYYPLEEVL TAEYLLEEFR PDLIEMVLDK LRPENVRVAI
VSKSFEGKTD RTEEWYGTQY KQEAIPEDEVI KKWQNADLNG KFKLPTKNEF IPTNFEILPL
EKEATPYPAL IKDTAMSKLW FKQDDKFFLP KACLNFEEFFS PFAYVDPLHC NMAYLYLELL
KDSLNEYAYA AELAGLSYDL QNTIYGYMLS VKGYNDKQPI LLKKIEKMA TFEIDEKRFE
IIKEAYMRSL NNFRAEQPHQ HAMYYLRLLM TEVAWTKDEL KEALDDVTLP RLKAFIPQLL
SRLHIEALLH GNITKQAALG IMQMVEDTLI EHAHTKPLL SQLVRYREVQ LPDRGWVYQ
QRNEVHNNCG IEIYYQTDMQ STSENMFLEL FCQIISEPCF NTLRTKEQLG YIVFSGPRRA
NGIQGLRFII QSEKPPHYLE SRVEAFLITM EKSIEDMTEE AFQKHIQALA IRRLDKPKKL
SAECAKYWGE

Purity:

> 90 % by SDS-PAGE

Endotoxin:

< 1.0 EU/μg

Formulation:

0.25 – 0.60 mg/mL solution in 20 mM Tris buffer, 50 mM NaCl, pH 8.0, 10%(w/v) glycerol, filtered (0.4 μm), frozen

Reconstitution:

Defrost at ambient temperature.

Shipping:

On ice. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

Store protein at -80°C. Protein remains stable until the expiry date when stored at -80°C. Avoid repeated freezing/thawing cycles.

Quality Control:

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.
Endotoxin level determination.

Applications:

ELISA, Western blotting

Note:

This product is intended for research use only.