

RPPB1838

Product Information Protein Information

Product SKU:

RPPB1838

Accession:

P14735

Host:

Escherichia Coli.

Protein description:

IDE Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Met1-Leu1019) containing 1026 amino acids including a 7 aa His tag at C-terminus. The total calculated molecular mass is 119kDa.

Appearance:

Filtered colorless solution.

Synonyms:

Insulin-Degrading Enzyme, Abeta-Degrading Protease, Insulin Protease, EC 3.4.24.56, Insulinase, INSULYSIN, Insulysin, EC 3.4.24, IDE.

Formulation:

IDE filtered (0.4µm) solution at a concentration of 0.6mg/ml in 20mM Tris buffer, 50mM NaCl, pH 8.0 and 10% (w/v) glycerol.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MRYRLAWLLH PALPSTFRSV LGARLPPPER LCGFQKKTYS KMNNPAIKRI GNHITKSPED KREYRGLELA
NGIKVLLISD PTTDKSSAAL DVHIGSLSDP PNIAGLSHFC EHMLFLGTTK YPKENEYSQF LSEHAGSSNA
FTSGEHTNYY FVDSHEHLEG ALDRFAQFFL CPLFDESCKD REVNAVVDSEH EKNVMNDAWR LFQLEKATGN
PKHPFSKFGT GNKYTLETRP NQEGIDVRQE LLKFHSAYYS SNLMAVCVLG RESLDDLTLN VVKLFSEVEN
KNVPLPEFPE HPFQEEHLKQ LYKIVPIKDI RNLYVTFFIP DLQYKSNP GHYLGHLIGH EGPGSLLSEL
KSKGWVNTLV GGQKEGARGF MFFIINVDTL EELLHVEDI ILHMFQYIQK LRAEGPQEWV FQECKDLNAV
AFRFKDKERP RGYTSKIAGI LHYYPLEEVL TAEYLLEEFR PDLIEMVLDK LRPENVRVAI VSKSFEKTD
RTEEWYGTQY KQEAIPDEVI KKWQNADLNG KFKLPTKNEF IPTNFEILPL EKEATPYPAL IKDTAMSKLW
FKQDDKFFLP KACLNFEEFFS PFAYVDPLHC NMAYLYLELL KDSLNEYAYA AELAGLSYDL QNTIYGMYS
VKGYNKQPI LLKIIIEKMA TFEIDEKRFE IIEAYMRSI NNFRAEQPHQ HAMYYLRLLM TEVAWTKDEL
KEALDDVTLP RLKAFIPQLL SRLHIEALLH GNITKQAALG IMQMVEDTLI EHAHTKPLLP SQLVRYREVQ
LPDRGWVYQ QRNEVHNNCG IEIYYQDMQ STENMFLEL FCQIIEPCF NTLRTKEQLG YIVFSGPRRA
NGIQGLRFII QSEKPPHYLE SRVEAFLITM EKSIEDMTEE AFQKHIQALA IRRLDKPKKL SAECAKYWGE
IISQQYNFDR DNTEVAYLKT LTKEDIKFY KEMLAVDAPR RHKVSVHVLA REMDSCPVVG EFPCQNDINL
SQAPALPQPE VIQNMTEFKR GLPLFPLVKP HINFMAAKL E HHHHHH.