

Insulin-Degrading Enzyme Human Recombinant

Item Number	rAP-1606
Synonyms	Insulin-Degrading Enzyme, Abeta-Degrading Protease, Insulin Protease, EC 3.4.24.56, Insulinase, INSULYSIN, Insulysin, EC 3.4.24, IDE.
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.
Uniprot Accession Number	P14735
Amino Acid Sequence	MRYRLAWLLH PALPSTFRSV LGARLPPPER LCGFQKKTYS KMNNPAIKRI GNHITKSPED KREYRGLELA NGIKVLLISD PTTDKSSAAL DVHIGSLSDP PNIAGLSHFC EHMLFLGTKK YPKENEYSQF LSEHAGSSNA FTSGEHTNYY FDSHEHLEG ALDRFAQFFL CPLFDESCKD REVNAVVDSEH EKNVMNDAWR LFQLEKATGN PKHPFSKFGT GNKYTLETRP NQEGIDVRQE LLKFHSAYYS SNLMAVCVLG RESLDDLNL VVKLFSEVEN KNVPLPEFPE HPFQEEHLKQ LYKIVPIKDI RNLYVTFPIP DLQKYYKSNP GHYLGHLIGH EGPGSLLSEL KSKGWVNTLV GGQKEGARGF MFFIINVDLT EE- GLLHVEDI ILHMFQYIQK LRAEGPQEWV FQECKDLNAV AFRFKDKERP RGYTSKIAGI LHYYPLEEVL TAEYLLLEFR PDLIEMVLDK LRPENVRVAI VSKSFEGKTD RTEEWYGTQY KQEAIPDEVI
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered colorless solution. 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.
Formulation and Purity	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. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**