

Recombinant Human IDE protein, His-tagged

Cat. No. IDE-215H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IDE protein(NP_001159418)(676-1019 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	676-1019 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
AA Sequence	EQPHQHAMYLLRLLMTEVAWTKDELKEALDDVTLPRLKAFIPQLLSRLHIEALLHGNI TKQAALGIMQMVEDTLIEHAHTKPLPSQLVRYREVQLPDRGWVYQQRNEVHNNC GIEIYYQTDQMSTSENMFLELFCQIISEPCFNTLRTKEQLGYIVFSGPRRANGIQGLRF IIQSEKPPHYLESRVEAFLITMEKSIEDMTEEAFQKHIQALAIRLDKPKKLSAECAY WGEIISQQYNFDRDNTEVAYLKTTLTKEDIKFYKEMLAVDAPRRHKVSVHVLAREMD SCPVVGEFFPCQNDINLSQAPALPQPEVIQNMTEFKRGLPLFPLVKPHINFMAAKL
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw

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cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).

If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).

Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

GENE INFORMATION

Gene Name IDE insulin-degrading enzyme [Homo sapiens]

Official Symbol IDE

Synonyms IDE; insulin-degrading enzyme; insulysin; insulinase; insulin protease; Abeta-degrading protease; INSULYSIN; FLJ35968;

Gene ID 3416

mRNA Refseq NM_001165946

Protein Refseq NP_001159418

MIM 146680

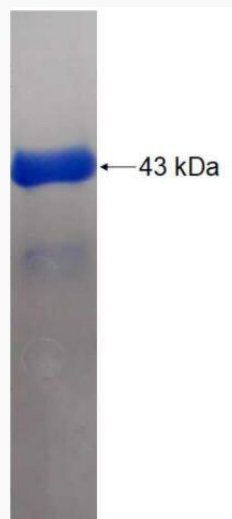
UniProt ID P14735

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