

Recombinant Human Insulysin/IDE Protein

Catalog No.: RP03201LQ

Sequence Information

Species **Gene ID**
Human 3416

Swiss Prot **Tags**
P14735 C-His

Synonyms

Insulin-Degrading Enzyme; Abeta-Degrading Protease; Insulin Protease; Insulinase; Insulysin; IDE

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as determined by SDS-PAGE.

Calculated MW **Observed MW**
114.25 kDa 120 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 10% Glycerol, pH 7.5.

Reconstitution

Background

Insulin-Degrading Enzyme (IDE) is a secreted enzyme that belongs to the peptidase M16 family. IDE is a large zinc-binding protease and cleaves multiple short polypeptides that vary considerably in sequence. IDE plays a role in the cellular breakdown of insulin, IAPP, glucagon, bradykinin, kallidin, and other peptides, and thereby plays a role in intercellular peptide signaling. IDE degrades amyloid formed by APP and IAPP. IDE may participate in the degradation and clearance of naturally secreted amyloid β-protein by neurons and microglia. IDE, which migrates at 110 kDa during gel electrophoresis under denaturing conditions, has since been shown to have additional substrates, including the signaling peptides glucagon, TGF α and β-endorphin.

Basic Information

Description

Recombinant Human Insulysin/IDE Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Met42-Leu1019) of Human Insulysin/IDE (Accession #P14735) fused with His tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

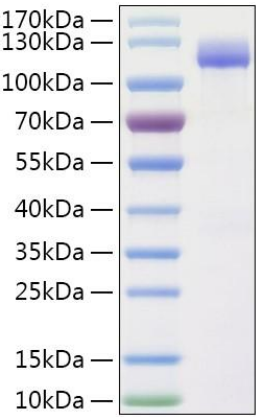
Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Recombinant Human Insulysin/IDE Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.