Recombinant Human Insulysin/IDE Protein

RPCB1949

Product Information

Product SKU:	RPCB1949	**Gene ID**:	3416	**Size**:	50µg
Tag:	C-His	**Reactivity**:	Human		

Additional Information

Expression Host:	Mammalian expression system	**Swissprot:**	P14735
Purity:	> 95% by SDS-PAGE.		

Protein Information

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.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human Insulysin/IDE Protein , tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.

Endotoxin: < 1.0 EU/µg of the protein by LAL method.

Formulation: Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 15 0mM NaCl, 0.05% Brij35, 10% Glycerol, pH 7.5.

Contact Details | Dublin, Ireland
Email: techsupport@assaygenie.com | **Web:** www.assaygenie.com

Storage: Store at -70℃. This product is stable at ≤ -70℃ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.

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