

IDE 抗原（重组蛋白）

中文名称：IDE 抗原（重组蛋白）

英文名称：IDE Antigen (Recombinant Protein)

别名：INSULYSIN

储存：冷冻（-20℃）

相关类别：抗原

概述

Fusion protein corresponding to a C terminal 300 amino acids of human IDE

技术规格

Full name:	insulin-degrading enzyme
Synonyms:	INSULYSIN
Swissprot:	P14735
Gene Accession:	BC096336
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes a zinc metallopeptidase that degrades intracellular insulin, and thereby terminates insulin's activity, as well as participating in intercellular peptide signalling by degrading diverse peptides such as glucagon, amylin, bradykinin, and kallidin. The preferential affinity of this enzyme for insulin results in insulin-mediated inhibition of the degradation of other peptides such as beta-amyloid. Deficiencies in this protein's function are associated with Alzheimer's disease.

ociated with Alzheimer's disease and type 2 diabetes mellitus but mutations in this gene have not been shown to be causative for these diseases. This protein localizes primarily to the cytoplasm but in some cell types localizes to the extracellular space, cell membrane, peroxisome, and mitochondrion. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants have been described but have not been experimentally verified.