

# Recombinant Human IDE

Catalog No: #GP10498



Package Size: #GP10498-1 100ug

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Recombinant Human IDE
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a C terminal 300 amino acids of human IDE
Target Name	insulin-degrading enzyme
Other Names	INSULYSIN
Accession No.	Swissprot:P14735Gene Accession:BC096336
Uniprot	P14735
GeneID	3416;
Storage	-20~-80°C, pH 7.6 PBS

## 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 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.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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