

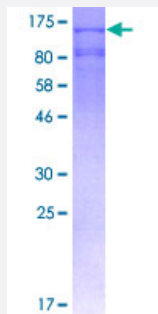
Full-Length

IDE (Human) Recombinant Protein (P01)

Catalog # H00003416-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human IDE full-length ORF (AAH96336.1, 1 a.a. - 1019 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRYRLAWLLHPALPSTFRSVLGARLPPPERLCGFQKKTYSKMNNPAIKRIGNHITKSPEDKREYRG
LELANGIKVLLISDPTTDKSSAALDVHIGSLSDPPNIAGLSHFCEHMLFLGTTKYPKENEYSQFLSE
HAGSSNAFTSGEHTNYYFDVSHEHLEGALDRFAQFFLCPLFDESCKDREVNVDSEHEKNVMN
DAWRLFQLEKATGNPKHPFSKFGTGNKYLTETRPNQEGIDVRQELLKFHSAYSSNLMAVCVLGR
ESLDDLTLNVVKLFSEVENKNVPLPEFPEHPFQEEHLKQLYKMPIKDIRNLYVTFPIDLQKYYSN
PGHYLGHLIGHEGPGSLLSELKSKGWVNTLVGGQKEGARGFMFFIINVDLTEEGLLHVEDIILHMFQ
YIQLRAEGPQEWVFQECKDLNAVAFRFKDKERPRGYTSKIAGILHYPLEEVLTAEYLLEEFPRD
LIEMVLDKLRPENVRVAIVSKSFEGKTDRTEEWYGTQYKQEAIPDEVIKKWQNADLNGKFKLPSTKN
EFIPTNFEILPLEKEATPYPALIKDTAMSKLWFKQDDKFFLPKACLNFEFFSPFAYVDPLHCNMAYL
YLELLKDSLNEYAYAAELAGLSYDLQNTIYGMYSVKGYNDKQPILLKKIIEKMATFEIDEKRFEIIEA
YMRSLNNFRAEQPHQHAMYLRLLMTEVAWTKDELKEALDDVTLPRLKAFIPQLLSRLHIEALLHG
NITKQAALGIMQMVEDTLIEHAHTKPLLPSQLVRYREVQLPDRGWVFYQQRNEVHNNGGIEIYYQTD
MQSTSENMFLELFCQIIEPCFNTLRTKEQLGYVFSGPRRANGIQGLRFIIQSEKPPHYLESRVEAF
LITMEKSIEDMTEEFQKHIALAIRRLDKPKKLSAECAYWGEISQQYNFDRDNTVEAYLKTLTKE
DIIKFYKEMLAVDAPRRHKVSVHVLAREMDSCPVVGEFPCQNDINLSQAPALPQPEVIQNMTEFK
RGLPLFPLVKPHINFMAAKL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

144.4

Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — IDE

Entrez GeneID	3416
GeneBank Accession#	BC096336.1
Protein Accession#	AAH96336.1
Gene Name	IDE
Gene Alias	FLJ35968, INSULYSIN
Gene Description	insulin-degrading enzyme
Omim ID	146680
Gene Ontology	Hyperlink
Gene Summary	This gene may belong to a protease family responsible for intercellular peptide signalling. Though its role in the cellular processing of insulin has not yet been defined, insulin-degrading enzyme is thought to be involved in the termination of the insulin response. [provided by RefSeq]
Other Designations	OTTHUMP00000020097 insulinase insulysin

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