

Product Data Sheet

Recombinant Human IDE Protein

Catalog #	Source	Reactivity	Applications
CRP1699	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human IDE Protein is produced by our Mammalian expression system and the target gene encoding Met42-Leu1019 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 150mM NaCl, 0.05% Brij35, 10% Glycerol, pH 7.5.		
Gene Symbol	IDE		
Alternative Names	Insulin-degrading enzyme; Abeta-degrading protease; Insulin protease; Insulinase; Insulysin		
Entrez Gene	3416 (Human)		
SwissProt	P14735 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	MNNPAIKRIG NHITKSPEDK REYRGLELAN GIKVLLISDP TTDKSSAALD VHIGSLSDPP NIAGLSHFCE HMLFLGTTKY PKENEYSQFL SEHAGSSNAF TSGEHTNYYF DVSHEHLEGA LDRFAQFFLC PLFDESCCKDR EVNAVDSEHE KNVMNDAWRL FQLEKATGNP KHPFSKFGTG NKYTLETRPN QEGIDVRQEL LKFHSAYYSS NLMAVCVLGR ESLDDLTLNLV VKLFSEVENK NVPLPEFPEH PFQEEHLKQL YKIVPIKDIR NLYVTFPIPD LQKYYKSNPG HYLGHHLIGHE GPGSLLSELK SKGWVNTLVG GQKEGARGFM FFIINVDLTE EGLLHVEDII LHMFAQYIQL RAEGPQEWVF QECKDLNAVA FRFKDKERPR GYTSKIAGIL HYYPLEEVLT AEYLLEEFRP DLIEMVLDKL RPENVRVAIV SKSFEGKTD R TEEWYG TQYK QEAIPDEV I K WQNADLNGK FKLPTKNEFI PTNFEILPLE KEATPYPALI KDTAMSKLWF KQDDKFFLPK ACLNFEFFSP FAYVDPLHCN MAYLYLELLK DSLNEYAYAA ELAGLSYDLQ NTIYGMYSV KGYNDKQPIL		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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LKKIIEKMAT FEIDEKRFEI IKEAYMRSLN NFRAEQPHQH AMYYLRLLMT EVAWTKDELK
EALDDVTLPR LKAFIPQLLS RLHIEALLHG NITKQAALGI MQMVEDTLIE HAHTKPLLPS
QLVRYREVQL PDRGWFVYQQ RNEVHNNGCI EIYYQTDMQS TSENMFLELF CQIISEPCFN
TLRTKEQLGY IVFSGPRRAN GIQGLRFIIQ SEKPPHYLES RVEAFLITME KSIEDMTEEA
FQKHIQALAI RRLDKPKKLS AECAKYWGEI ISQQYNFDRD NTEVAYLCTL TKEDIKFKYK
EMLAVDAPRR HKVSVHVLAR EMDSCPVVGE FPCQNDINLS QAPALPQPEV IQNMTEFKRG
LPLFPLVKPH INFMAAKLLD HHHHHH

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year.

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