

Datasheet for ABIN7596261

CES1 Protein (AA 19-565) (His tag)



[Go to Product page](#)

Overview

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| Quantity: | 500 µg |
| Target: | CES1 |
| Protein Characteristics: | AA 19-565 |
| Origin: | Mouse |
| Source: | Baculovirus infected Insect Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This CES1 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Enzyme Activity Assay (EAA) |

Product Details

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| Sequence: | <p>HPSLPPV VHTVHGKVLG KYVTLEGFSQ PVAVFLGVPF AKPPLGSLRF APPEPAEPWS</p> <p>FVKHTTSYPP LCYQNPEAAL RLAELFTNQR KIIPHKFSED CLYLNITPA DLTQNSRLPV</p> <p>MVWIHGGGLV IDGASTYDGV PLAVHENVVV VVIQYRLGIW GFFSTEDEHS RGNWGHLDQV</p> <p>AALHWWQDNI ANFGGNPGSV TIFGESAGGE SVSVLVL SPL AKNLFHRAIA QSSVIFNPCL</p> <p>FGRAARPLAK KIAALAGCKT TTSAAMVHCL RQKTEDELLE VSLKMKFGTV DFLGDPRESY</p> <p>PFLPTVIDGV LLPKAPEEIL AEKSFNTVPY MVGINKHEFG WIIPMFLDFP LSERKLDQKT</p> <p>AASILWQAYP ILNISEKLIP AAIEKYLGGT EDPATMTDLF LDLIGDIMFG VPSVIVSRSH</p> <p>RDAGAPTYMY EYQYRPSFVS DDRPQELLGD HADELFSVWG APFLKEGASE EEINLSKMVM</p> <p>KFWANFARNG NPNGEGLPHW PEYDQKEGYL QIGVPAQAAH RLKDKEVDFW TELRAKETAE</p> <p>RSSHREHVEL</p> |
| Purity: | > 90% by SDS-PAGE |

Product Details

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| Endotoxin Level: | < 1 EU per 1ug of protein (determined by LAL method) |
| Biological Activity Comment: | Specific activity is > 2,000pmol/min/ug and is defined as the amount of enzyme that hydrolyze 1pmole of p-nitrophenyl acetate to p-nitrophenol per minute at pH 7.5 at 37C |

Target Details

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| Target: | CES1 |
| Alternative Name: | Carboxylesterase 1/CES1 (CES1 Products) |
| Background: | Carboxylesterase 1/CES1, also known as liver carboxylesterase 1, is a member of a large family of carboxylesterases that are responsible for the hydrolysis of ester and amide bonds. CES1G shares the serine hydrolase fold observed in other esterases. It is a rat and mouse specific protein that is expressed predominantly in liver, but also in kidney and lung. Recombinant mouse Carboxylesterase 1/CES1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques. This product has replaced ATGP3329. |
| Molecular Weight: | 61.9 kDa (556aa) |
| NCBI Accession: | NP_067431 |
| Pathways: | Monocarboxylic Acid Catabolic Process |

Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 0.5 mg/mL |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles. |