

## Carboxylesterase 1C Recombinant Protein | Ces1c recombinant protein

Recombinant Mouse Carboxylesterase 1C (Ces1c), partial

|                              |                                                                 |
|------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA18600</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|------------------------------|-----------------------------------------------------------------|

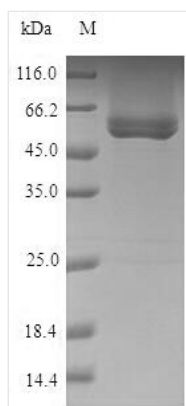
### PRODUCT SYNONYMS

Carboxylesterase 1C; Recombinant Mouse Carboxylesterase 1C (Ces1c); partial; Liver carboxylesterase N; Lung surfactant convertase; PES-N; Ces1c recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sequence Positions      | 19-550aa; Partial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Sequence                | <p> HSLPPVVD TQGKVLGKYI SLEGFEQPVA VFLGVPPFAKP PLGSLRFAPP QPAEPWSFVK NATSYPPMCS<br/> QDAGWAKILS DMFSTEKEIL PLKISEDCLY LNIYSPADLT KSSQLPVMVW IHGGGLVIGG ASPYNGLALS<br/> AHENVVVVTI QYRLGIWGLF STGDEHSPGN WAHL DQLAAL RWVQDNIANF GGNPDSVTIF GESSGISVS<br/> VLVLSPLGKD LFHRAISESG VVINTNVGKK NIQAVNEIIA TLSQCNDTSS AAMVQCLRQK TESELLEISG<br/> KLVQYNISLS TMIDGVVLPK APEEILAEKS FNTVPYIVGF NKQEFGWIP MMLQNLLPEG KMNEETASLL<br/> LRRFHSELNI SESMIPAVIE QYLRGVDDPA KKSELILDMF GDIFFGIPAV LLSRSLRDAG VSTYMYEFRY<br/> RPSFVSDKRP QTVEGDHGDE IFFVFGAPLL KEGASEEETN LSKMVMKFWA NFARNGNPNP EGLPHWPEYD<br/> EQEGYLQIGA TTQQAQRLKA EEVAFWTELL AKNPPETDPT EH </p> |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                               |
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| Related Product Information for Ces1c recombinant protein | Involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs. Involved in the extracellular metabolism of lung surfactant. |
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|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>References</b> | <p>Characterization of a murine cDNA encoding a member of the carboxylesterase multigene family.Ovnic M., Tepperman K., Medda S., Elliott R.W., Stephenson D.A., Grant S.G., Ganschow R.E.Genomics 9:344-354(1991)</p> <p>Molecular cloning, characterization, and differential expression pattern of mouse lung surfactant convertase.Krishnasamy S., Teng A.L., Dhand R., Schultz R.M., Gross N.J.Am. J. Physiol. 275:L969-L975(1998)</p> <p>Lineage-specific biology revealed by a finished genome assembly of the mouse.Church D.M., Goodstadt L., Hillier L.W., Zody M.C., Goldstein S., She X., Bult C.J., Agarwala R., Cherry J.L., DiCuccio M., Hlavina W., Kapustin Y., Meric P., Maglott D., Birtle Z., Marques A.C., Graves T., Zhou S., Teague B., Potamouisis K., Churas C., Place M., Herschleb J., Runnheim R., Forrest D., Amos-Landgraf J., Schwartz D.C., Cheng Z., Lindblad-Toh K., Eichler E.E., Ponting C.P.PLoS Biol. 7:E1000112-E1000112(2009)</p> <p>cDNA cloning of esterase 1, the major esterase activity in mouse plasma.Genetta T.L., D'Eustachio P., Kadner S.S., Finlay T.H.Biochem. Biophys. Res. Commun. 151:1364-1370(1988)</p> <p>Proteome-wide characterization of N-glycosylation events by diagonal chromatography.Ghesquiere B., Van Damme J., Martens L., Vandekerckhove J., Gevaert K.J. Proteome Res. 5:2438-2447(2006)</p> <p>Enhanced analysis of the mouse plasma proteome using cysteine-containing tryptic glycopeptides.Bernhard O.K., Kapp E.A., Simpson R.J.J. Proteome Res. 6:987-995(2007)</p> |
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## NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                                            |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">247269929</a>                                                                                                  |
| <b>NCBI GeneID</b>                      | <a href="#">13884</a>                                                                                                      |
| <b>NCBI Accession #</b>                 | <a href="#">NP_031980.2</a>                                                                                                |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_007954.4</a>                                                                                                |
| <b>UniProt Accession #</b>              | <a href="#">P23953</a> ; <a href="#">O54936</a> ; <a href="#">P11374</a> ; <a href="#">Q8K125</a> ; <a href="#">E9QQ07</a> |
| <b>Molecular Weight</b>                 | 60.6 kDa                                                                                                                   |
| <b>NCBI Official Full Name</b>          | carboxylesterase 1C                                                                                                        |
| <b>NCBI Official Synonym Full Names</b> | carboxylesterase 1C                                                                                                        |
| <b>NCBI Official Symbol</b>             | Ces1c                                                                                                                      |
| <b>NCBI Official Synonym Symbols</b>    | Ee1; Es1; Es4; EsN; Ee-1; Es-4; Es-N; PESN; Ces-N                                                                          |
| <b>NCBI Protein Information</b>         | carboxylesterase 1C                                                                                                        |
| <b>UniProt Protein Name</b>             | Carboxylesterase 1C                                                                                                        |
| <b>UniProt Gene Name</b>                | <b>Ces1c</b>                                                                                                               |
| <b>UniProt Synonym Gene Names</b>       | Es1                                                                                                                        |
| <b>UniProt Entry Name</b>               | EST1C_MOUSE                                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/ces1c-recombinant-protein-e-coli/18600>