

Pyrethroid hydrolase Ces2e, 27-559aa, Mouse, His tag, Insect cell

Cat.NO.: TP03612

3th Edition

Synonyms:9030624L02Rik, Ces5, Ces2e

Description:CES2E, also known as pyrethroid hydrolase Ces2e, is a type of enzyme that capable of hydrolyzing a variety of carboxylic acid esters and it is widely distributed in cells especially in mammalian liver. It is involved in the chemical reaction, exerting its role in catalyzing the carboxylic ester and water to convert to an alcohol and a carboxylate. Recombinant mouse CES2E, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:60.5kDa (541aa), 50-70kDa (SDS-PAGE under reducing conditions)

Sequences:

QDSASPIRNTHTGQVRGSLVHVKDTDIHVHTFLGIPFAKPPVGPLRFAPPEAPEPWSGVRDGTSHPNMCLQNDNL
MGSEDLKMMNLILPPISMSEDCLYLNIVPAHAHEGSNLPVMVWIHGGALTVGMASMYDGSMLAATEDVVVVAIQY
RLGVLGFFSTGDQHAKGNWGYLDQVAALRWVQQNIVHFGGNPDRVTIFGESAGGTSVSSHVVSPMSQGLFHGAI
MESGVAVLPDLISSSSEMVRIVANLSGCAAVNSETLMCCLRGKNEAEMLAINKVFKIIPGVVDGEFLPKHPQELMA
SKDFHPVPSIIGINNDEYGWILPTIMDPAQKIEITRKTLPVVKSTALKMMLPPECGDLLMEEYMGDTEDPETLQAQ
FREMKGDFMFVIPALQVAHFQRSHAPVYFYEFQHRPSFFKDFRPPYVKADHGDEIFLVFGYQFGNIKLPYTEEEEEQ
LSRRIMKYWANFARHGPNSEGLPYWPVMDHDEQYLQLDIQPSVGRALKARRLQFWTKTLPQKIQELKGSQERHK
ELLEHHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.