

Ces1g, 19-565aa, Mouse, His tag, Baculovirus

Cat.NO.: TP01584

3th Edition

Synonyms: Liver carboxylesterase 1, CES1G, Ces-1, Ces1, Ses-1

Description: CES1G, 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 CES1G, 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: 61.9kDa (556aa), 50-70kDa (SDS-PAGE under reducing conditions.)

Sequences:

ADPHPSLPPVVHTVHGKVLGKYVTLEGFSQPVAVFLGVPFAKPPLGSLRFAPPEPAEPWSFVKHTTSYPPLCYQNP
EAALRLAELFTNQRKIIPHKFSEDCLYLNITYPADLTQNSRLPVMVWIHGGGLVIDGASTYDGVPLAVHENVVVVVIQ
YRLGIWGGFFSTEDHSRGNWGHLDQVAALHWVQDNIANFGGNPGSVTIFGESAGGESVSVLVLSPLAKNLFHRAIA
QSSVIFNPCLFGRAARPLAKKIAALAGCKTTTSAAMVHCLRQKTEDELLEVSLKMKFGTVDFLGDPRESYPFLPTVID
GVLLPKAPEEILAEKSFNTVPYMGINKHEFGWIIPMFLDFPLSERKLDQKTAASILWQAYPILNISEKLIPAAIEKYL
GTEDPATMTDLFLDLIGDIMFGVPSVIVSRSHRDAGAPTYMYEYQYRPSFVSDDRPQELLGDHAELEFSVWGAPFL
KEGASEEEINLSKMVMKFWANFARNGNPNGEGLPHWPEYDQKEGYLQIGVPAQAAHRLKDKEVDFWTELRAKET
AERSSHREHVELHHHHHH

Purity: > 95% by HPLC

Concentration: 0.5mg/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.