Recombinant Human CES7 293 Cell Lysate

Cat. No. CES5A-7563HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for carboxylesterase 7 (CES7), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	CES5A?carboxylesterase 5A [?Homo sapiens?(human)]
Official Symbol	CES5A
Synonyms	CES5A; carboxylesterase 5A; CES5; CES7; CAUXIN; CES4C1; HEL126; carboxylesterase 5A; carboxylesterase 5; carboxylesterase 7; epididymis luminal protein 126; carboxylesterase-like urinary excreted protein homolog; NP_001137157.1; EC 3.1.1.1; NP_001177087.1; NP_001177087.1
Gene ID	221223
mRNA Refseq	NM_145024
Protein Refseq	NP_659461
UniProt ID	Q6NT32
Chromosome Location	16q12.2
Pathway	E2F transcription factor network, organism-specific biosystem; Phase I, non P450, organism-specific biosystem; retinol biosynthesis, organism-specific biosystem
Function	carboxylic ester hydrolase activity

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