

Recombinant Human CH25H 293 Cell Lysate

Cat. No. CH25H-7549HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for cholesterol 25-hydroxylase (CH25H) 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	CH25H cholesterol 25-hydroxylase [Homo sapiens]
Official Symbol	CH25H
Synonyms	CH25H; cholesterol 25-hydroxylase; h25OH; cholesterol 25-monooxygenase; C25H;
Gene ID	9023
mRNA Refseq	NM_003956
Protein Refseq	NP_003947
MIM	604551
UniProt ID	O95992
Chromosome Location	10q23
Pathway	Bile acid and bile salt metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Primary bile acid biosynthesis, organism-specific biosystem; Primary bile acid biosynthesis, conserved biosystem; Synthesis of bile acids and bile salts, organism-specific biosystem;

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Function

cholesterol 25-hydroxylase activity; iron ion binding; metal ion binding; steroid hydroxylase activity;

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