

Recombinant Human EBP 293 Cell Lysate

Cat. No. EBP-6733HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for emopamil binding protein (sterol isomerase) (EBP) 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

EBP emopamil binding protein (sterol isomerase) [Homo sapiens]

Official Symbol

EBP

Synonyms

EBP; emopamil binding protein (sterol isomerase); CDPX2, emopamil binding protein (sterol isomerase); 3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase; 3 beta hydroxysteroid delta 8; delta 7 isomerase; CHO2; Chondrodysplasia punctata 2; X linked dominant (Happle syndrome); CPX; CPXD; sterol 8 isomerase; sterol 8-isomerase; D8-D7 sterol isomerase; cholestenol Delta-isomerase; delta(8)-Delta(7) sterol isomerase; emopamil-binding protein (sterol isomerase); 3-beta-hydroxysteroid-delta-8,delta-7-isomerase; Chondrodysplasia punctata-2, X-linked dominant (Happle syndrome); CDPX2;

Gene ID

10682

mRNA Refseq

NM_006579

Protein Refseq

NP_006570

MIM

300205

UniProt ID

Q15125

**Chromosome
Location**

Xp11.23-p11.22

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Pathway	Cholesterol biosynthesis, organism-specific biosystem; Cholesterol biosynthesis, squalene 2,3-epoxide =>cholesterol, organism-specific biosystem; Cholesterol biosynthesis, squalene 2,3-epoxide => cholesterol, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;
Function	C-8 sterol isomerase activity; cholestenol delta-isomerase activity; drug transmembrane transporter activity; isomerase activity; steroid delta-isomerase activity; transmembrane signaling receptor activity;

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