

Recombinant Human CUL5 293 Cell Lysate

Cat. No. CUL5-7180HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for cullin 5 (CUL5) 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.
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.

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GENE INFORMATION

Gene Name	CUL5 cullin 5 [Homo sapiens]
Official Symbol	CUL5
Synonyms	CUL5; cullin 5; cullin-5; VACM 1; CUL-5; Vasopressin-activated calcium-mobilizing receptor-1; vasopressin-activated calcium-mobilizing receptor 1; Cullin-5 (vasopressin-activated calcium-mobilizing receptor-1); VACM1; VACM-1;
Gene ID	8065
mRNA Refseq	NM_003478
Protein Refseq	NP_003469
MIM	601741
UniProt ID	Q93034
Chromosome Location	11q22.3
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Disease, organism-specific biosystem; ECS complex, organism-specific biosystem;
Function	calcium channel activity; protein binding; receptor activity; ubiquitin protein ligase binding;

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