Recombinant Human CRYBB2 293 Cell Lysate

Cat. No. CRYBB2-7261HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for crystallin, beta B2 (CRYBB2) 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	CRYBB2 crystallin, beta B2 [Homo sapiens]
Official Symbol	CRYBB2
Synonyms	CRYBB2; crystallin, beta B2; CCA2, CRYB2, CRYB2A; beta-crystallin B2; beta-B2 crystallin; beta-crystallin Bp; eye lens structural protein; CCA2; CRYB2; CRYB2A; D22S665;
Gene ID	1415
mRNA Refseq	NM_000496
Protein Refseq	NP_000487
UniProt ID	P43320
Chromosome Location	22q11.23
Pathway	Wnt Signaling Pathway NetPath, organism-specific biosystem;
Function	identical protein binding; protein homodimerization activity; structural constituent of eye lens; structural molecule activity;

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