

Recombinant Human S100G 293 Cell Lysate

Cat. No. S100G-2087HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for S100 calcium binding protein G (S100G) 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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	S100G S100 calcium binding protein G [Homo sapiens]
Official Symbol	S100G
Synonyms	S100G; S100 calcium binding protein G; CALB3, calbindin 3, (vitamin D dependent calcium binding protein); protein S100-G; CABP1; CABP9K; calbindin D9K; calbindin-D9K; S100 calcium-binding protein G; vitamin D-dependent calcium-binding protein, intestinal; calbindin 3, (vitamin D-dependent calcium-binding protein); CABP; CALB3; MGC138379;
Gene ID	795
mRNA Refseq	NM_004057
Protein Refseq	NP_004048
MIM	302020
UniProt ID	P29377
Chromosome Location	Xp22.2
Pathway	Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem;
Function	calcium ion binding; vitamin D binding;

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