

## Recombinant Human CTAG2 293 Cell Lysate

**Cat. No.** CTAG2-7217HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for cancer/testis antigen 2 (CTAG2), transcript variant 1 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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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** CTAG2 cancer/testis antigen 2 [ Homo sapiens ]

**Official Symbol** CTAG2

**Synonyms** CTAG2; cancer/testis antigen 2; CAMEL; cancer/testis antigen family 6; member 2a; member 2b; CT6.2a; CT6.2b; CTL recognized antigen on melanoma; ESO2; LAGE 1; LAGE 1a; LAGE 1a protein; LAGE 1b; LAGE1; MGC3803; MGC138724; LAGE-1a protein; cancer/testis antigen 6.2; I antigen family member 1; CTL-recognized antigen on melanoma; cancer/testis antigen family 6, member 2a; cancer/testis antigen family 6, member 2b; autoimmunogenic cancer/testis antigen NY-ESO-2; CT2; CT6.2; LAGE-1; LAGE2B;

**Gene ID** 30848

**mRNA Refseq** NM\_020994

**Protein Refseq** NP\_066274

**MIM** 300396

**UniProt ID** O75638

**Chromosome Location** Xq28

**Function** molecular\_function;

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