# Recombinant Human SIRT5 293 Cell Lysate

**Cat. No.** SIRT5-1830HCL **Lot. No.** (See product label)

## SPECIFICATION

| | |
|---|---|
| **Species** | Human |
| **Source** | HEK293 |
| **Description** | Antigen standard for sirtuin (silent mating type information regulation 2 homolog) 5 (S. cerevisiae) (SIRT5), 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. |
| **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 |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

| | |
|---|---|
| **Gene Name** | SIRT5 sirtuin 5 [ Homo sapiens ] |
| **Official Symbol** | SIRT5 |
| **Synonyms** | SIRT5; sirtuin 5; sirtuin (silent mating type information regulation 2 homolog) 5 (S. cerevisiae) , sirtuin (silent mating type information regulation 2, S.cerevisiae, homolog) 5; NAD-dependent lysine demalonylase and desuccinylase sirtuin-5, mitochondrial; sir2-like 5; sirtuin type 5; SIR2-like protein 5; NAD-dependent deacetylase sirtuin-5; silent mating type information regulation 2, S.cerevisiae, homolog 5; SIR2L5; FLJ36950; |
| **Gene ID** | 23408 |
| **mRNA Refseq** | NM_001193267 |
| **Protein Refseq** | NP_001180196 |
| **MIM** | 604483 |
| **UniProt ID** | Q9NXA8 |
| **Chromosome Location** | 6p23 |
| **Pathway** | Signaling events mediated by HDAC Class I, organism-specific biosystem; |
| **Function** | NOT NAD+ ADP-ribosyltransferase activity; NAD+ binding; hydrolase activity; metal |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|---|---|
| | ion binding; protein-malonyllysine demalonylase activity; protein-succinyllysine desuccinylase activity; zinc ion binding; |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA