



Human SIRT4 blocking peptide (CDBP2684)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Blocking/Immunizing peptide for anti-SIRT4 antibody |
| Antigen Description | This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class IV of the sirtuin family. [provided by RefSeq, Jul 2008] |
| Species | Human |
| Conjugate | Unconjugated |
| Applications | Apuri, BL, ELISA |
| Format | Lyophilized powder |
| Size | 100 µg |
| Preservative | None |
| Storage | Shipped at ambient temperature, store at -20°C. |

GENE INFORMATION

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|-----------------|---|
| Gene Name | SIRT4 sirtuin 4 [Homo sapiens] |
| Official Symbol | SIRT4 |
| Synonyms | SIRT4; sirtuin 4; sirtuin (silent mating type information regulation 2 homolog) 4 (S. cerevisiae) , |

sirtuin (silent mating type information regulation 2, *S. cerevisiae*, homolog) 4; NAD-dependent ADP-ribosyltransferase sirtuin-4; SIR2L4; sir2-like 4; sirtuin type 4; SIR2-like protein 4; MGC57437; MGC130046; MGC130047;

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|----------------------------|---|
| Entrez Gene ID | 23409 |
| mRNA Refseq | NM_012240 |
| Protein Refseq | NP_036372 |
| UniProt ID | Q9Y6E7 |
| Chromosome Location | 12q24.31 |
| Pathway | Signaling events mediated by HDAC Class I, organism-specific biosystem; |
| Function | NAD+ ADP-ribosyltransferase activity; NAD+ ADP-ribosyltransferase activity; NAD+ binding; NOT NAD-dependent protein deacetylase activity; metal ion binding; protein binding; transferase activity; zinc ion binding; |
