9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

# SIRT5 Human

*Sirtuin-5 Human Recombinant*
*RCP2108*

## Product Overview

| | |
|---|---|
| Name | SIRT5 Human |
| **Description** | |
| Sirtuin-5 Human Recombinant | |
| Accession (Primary) | Q9NXA8 |
| **Synonyms** | |
| Sirtuin 5, NAD-Dependent Lysine Demalonylase And Desuccinylase Sirtuin-5,Mitochondria, NAD-Dependent Protein Deacylase Sirtuin-5 Mitochondrial, Silent Mating Type Information Regulation 2 (S.Cerevisiae) Homolog 5, NAD-Dependent Deacetylase Sirtuin-5, Regulatory Protein SIR2 Homolog 5, SIR2-Like Protein 5, SIR2L5, Sirtuin Type 5, Sir2-Like 5, EC 3.5.1.-. | |
| **Introduction** | |
| SIRT5 belongs to the Sirtuin family of proteins, homologs to the yeast Sir2 protein. Sirtuin family members hold a sirtuin core domain and grouped into four classes. The protein encoded by this gene is included in class III of the sirtuin family. Human sirtuins functions were not yet determined; still, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies propose that human sirtuin could operate as intracellular regulatory protein with mono-ADP-ribosyltransferase activity. | |
| **Source** | |
| Escherichia Coli. | |
| **Physical Appearance** | |
| Sterile Filtered clear solution. | |
| **Formulation** | |
| SIRT5 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.15M NaCl, 1mM DTT and 30% glycerol. | |
| **Stability** | |
| Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles. | |
| **Purity** | |
| Greater than 90.0% as determined by SDS-PAGE. | |
| **Amino acid sequence** | |
| MGSSHHHHHH SSGLVPRGSH MGS ARPSSSM ADFRKFFAKA KHIVIISGAG VSAESGVPTF RGAGGYWRKW | |

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QAQDLATPLA FAHNPSRVWE FYHYRREVMG SKEPNAGHRA IAECETRLGK QGRRVVVITQ NIDELHRKAG TKNLLEIHGS LFKTRCTSCG VVAENYKSPI CPALSGKGAP EPGTQDASIP VEKLPRCEEA GCGGLLRPHV VWFGENLDPA ILEEVDRELA HCDLCLVVGT SSVVYPAAMF APQVAARGVP VAEFNTETTP ATNRFRFHFQ GPCGTTLPEA LACHENETVS

**Precautions**

SIRT5 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( Q9NXA8 )