

## 32-4852: Recombinant Human Sirtuin-5

### Alternative Name :

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,

### Description

Source : Escherichia Coli. SIRT5 Human Recombinant produced in E. Coli is a single, non-glycosylated polypeptide chain topological domain containing 300 amino acids (34-310 a.a) and having a molecular mass of 32.5kDa. SIRT5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

### Product Info

**Amount :** 20 µg

**Purification :** "Greater than 90.0% as determined by SDS-PAGE."

**Content :** SIRT5 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.15M NaCl, 1mM DTT and 30% glycerol.

**Storage condition :** 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.

**Amino Acid :** MGSSHHHHHH SGLVPRGSH MGSARPSSM ADFRKFFAKA KHIVIISGAG VSAESGVPTF  
RGAGGYWRKW QAQLATPLA FAHNPSRVWE FYHYRREVMG SKEPNAGHRA IAECETRLGK  
QGRRVVITQ NIDELHRKAG TKNLLEIHGS LFKTRCTSCG VVAENYKSPI CPALSGKGAP EPGTQDASIP  
VEKLPRCEEA GCGLLRPHV VWFGENLDP A ILEEV DRELA HCDLCLVVG T SSVVYPAAMF APQVAARGVP  
VAEFNTETTP ATNRFRFHFQ GPCGTTLPEA LACHENETVS

