

## 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 S SGLVPRGSH MGSARPSSM ADFRKFFAKA KHIVIISGAG VSAESGVPTF  
RGAGGYWRKW QAQLATPLA FAHNPSRVWE FYHYRREVMG SKEPNAGHRA IAECETRLGK  
QGRRVVITQ NIDELHRKAG TKNLLEIHGS LFKTRCTSCG VVAENYKSPI CPALSGKGAP EPGTQDASIP  
VEKLRCEEA GCGLLRPHV VWFGENL DPA ILEEV DRELA HCDLCLVVG TSSVVYPAAMF APQVAARGVP  
VAEFNTETTP ATNRFRFHQ GPCGTTLPEA LACHENETVS

