

Product information



SIRT5, 34-310aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2434

Full name: sirtuin 5

NCBI Accession No.: NP_036373

Synonyms: SIR2L5

Description: SIRT5 is 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 III of the sirtuin family. Alternative splicing of this gene results in multiple transcript variants. Recombinant human SIRT5 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

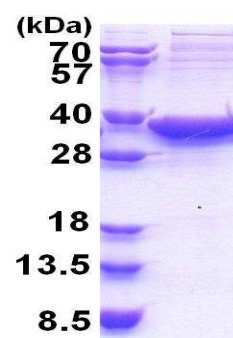
Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl,

30% glycerol, 1mM DTT

Molecular Weight: 32.5kDa (300aa) confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSARPSSSM ADFRKFFAKA KHIVIIISGAG VSAESGVPTF RGAGGYWRKW QAQDLATPLA FAHNPSRVWE
FYHYRREVMG SKEPNAGHRA IAECETRLGK QGRRVVVITQ NIDELHRKAG TKNLLEIHGS LFKTRCTSCG VVAENYKSPI CPALSGKGAP
EPGTQDASIP VEKLPRCEEA GCGLLLRPHV VWFGENLDPA ILEEVORELA HCDLCLVVGT SSVVYPAAMF APQVAARGVP VAEFNTETTP
ATNRRFRHFQ GPCGTTLPEA LACHENETVS

General references:

Zhou, Y., *et al.* (2012) *J. Biol. Chem.* 287 (34), 28307-28314

Fischer, F., *et al.* (2012) *PLoS ONE* 7 (9), E45098

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com