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Product Data Sheet

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Cat # RP-1530

Calpastatin

**Size:** 2 ug

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SIRT6 is part of the sirtuin family of proteins (Class IV), homologs to the yeast Sir2 protein. SIRT6 is characterized by a sirtuin core domain. Yeast sirtuin proteins are recognized by their ability to regulate epigenetic gene silencing and suppress recombination of rDNA. SIRT6, a chromatin-associated protein is involved in DNA repair. Human Sirtuins function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity.

**USAGE:**

This item is for LABORATORY RESEARCH USE ONLY.

RP-1530

120507P

**SOURCE:**

SIRT6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 375 amino acids (1-355 a.a.) and having a molecular mass of 41 kDa. Recombinant SIRT6 is fused to 20 amino acids His-tag at N-terminus. The SIRT6 protein solution contains 20mM Tris-HCl pH-8 & 10% glycerol.

**APPLICATION AND SUGGESTED DILUTIONS:**

Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. Users must optimize the appropriate concentration and conditions for each assay.

**STORAGE & STABILITY:**

SIRT6 although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). If supplied in powder then reconstitute it in 100ul water for 1mg/mL stock and store in liquid at 4°C for ~ 1week or aliquots in suitable size and store at -20°C for long term storage.

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