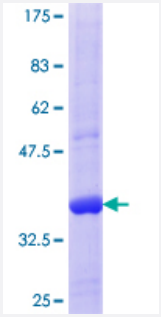
SIRT4 (Human) Recombinant Protein (Q01)

Catalog # H00023409-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SIRT4 partial ORF (NP_036372.1, 215 a.a. - 314 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	FQVPTCVQCGGHLKPDVVFFGDTVNPDKVDFVHKRVKEADSLLVVGSSLQVYSGYRFILTAWEK KLPIAILNIGPTRSDDLACLKLNSRCGELLPLIDPC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (87); Rat (85)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SIRT4

Entrez GeneID	23409
GeneBank Accession#	NM_012240
Protein Accession#	NP_036372.1
Gene Name	SIRT4
Gene Alias	MGC130046, MGC130047, MGC57437, SIR2L4
Gene Description	sirtuin (silent mating type information regulation 2 homolog) 4 (S. cerevisiae)
Omim ID	604482
Gene Ontology	Hyperlink
Gene Summary	This gene encodes 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 cla sses. The functions of human sirtuins have not yet been determined; however, yeast sirtuin protein s 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-ri bosyltransferase activity. The protein encoded by this gene is included in class IV of the sirtuin fa mily. [provided by RefSeq
Other Designations	sir2-like 4|sirtuin 4|sirtuin type 4

Disease

- Diabetes Mellitus
- Genetic Predisposition to Disease