

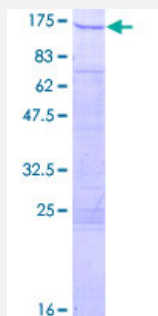
Full-Length

SMARCAL1 (Human) Recombinant Protein (P01)

Catalog # H00050485-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SMARCAL1 full-length ORF (NP_054859.2, 1 a.a. - 954 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSLPLTEEQRKKIEENRQKALARRAEKLLAEQHQRSTSSGTSIAGNPFQAKQGSPSQNFPRESCKP
VSHGVIFKQQNLSSSSNADQRPHDSHSFQAKGWKKPEEMPTACPGHSPRSQMALTGISPPLAQ
SPPEVPKQQLLSYELGQGHAQASPEIRFTPFANPTHKPLAKPKSSQETPAHSSGQPPRDAKLEA
KTAKASPSGQNISYIHSSSESVTPRTEGRLQQKSGSSVQKGVNSQKGKCVNRNGDRFQVLIGYNAE
LIAVFKTLPSKNYDPDTKTWNFSMNDYSALMKAAQSLPTVNLQPLEWAYGSSESPSTSSEGGAG
LPSAPSLSFVKGRCLISRAYFEADISYSQDLALFKQMDSTRYDVKTRKWSFLLEEHSKLIKVR
CLPQVQLDPLPTTLTAFASQLKKTSLSLTPDVPEADLSEVDPKLVSNLMPFQRAGVNFAIAKGG
RLLADDMGLGKTIQAICIAAFYRKEWPLLVVVPSSVRFTWEQAFLRWLPSLSPDCINVVVTGKDR
LTAGLINVSFDLLSKLEKQLKTPFKVVIDESHFLKNSRTARCRAAMPVLKVAKRIVLLSGTPAMSR
PAELYTQIAVKPTFFPQFHAFGLRYCDAKRMPWGWWDYSGSSNLGELKLLLEEAVMLRRLKSDVL
SQLPAKQRKIVVIAPGRINARTRAALDAAKEMTTKDKTKQQQKDALILFFNRTAEKIPSVIEYLDL
LESGREKFLVFAHHKVVLDAITQELERKHVQHIRIDGSTSSAEREDLCQQFQLSERHAVAVLSITA
ANMGLTFSSADLVVFAELFWNPGVLIQAEDRVHRIGQTSSVGIHYLVAKGTADDYLVPLIQEKIKVL
AEAGLSETNFSEMTSTDYLYKDPKQKQKIDYLFQKSFEKEGSDMELLEAAESFDPGSASGTSGS
SSQNMGDTLDESSLTASPQKKRRFEFFDNWDSFTSPL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

132.3

Interspecies Antigen Sequence

Mouse (71); Rat (73)

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 — SMARCAL1

Entrez GeneID[50485](#)**GeneBank Accession#**[NM_014140.2](#)**Protein Accession#**[NP_054859.2](#)**Gene Name**

SMARCAL1

Gene Alias

HARP, HHARP

Gene Description

SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a-like 1

Omim ID[242900 606622](#)**Gene Ontology**[Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the SWI/SNF family of proteins. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein shows sequence similarity to the E. coli RNA polymerase-binding protein HepA. Mutations in this gene are a cause of Schimke immunoosseous dysplasia (SIOD), an autosomal recessive disorder with the diagnostic features of spondyloepiphyseal dysplasia, renal dysfunction, and T-cell immunodeficiency. [provided by RefSeq]

Other Designations

HepA-related protein|OTTHUMP00000164057|SMARCA-like protein 1|SWI/SNF-related matrix-associated actin-dependent regulator of chromatin a-like 1

Disease

- [Tobacco Use Disorder](#)