

Recombinant Human SMARCAL1 protein, GST-tagged

Cat. No. SMARCAL1-7865H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMARCAL1 protein(605-954 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	605-954 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	FHAFGLRYCDAKRMPWGWWDYSGSSNLGELKLLLEEAVMLRRLKSDVLSQLPAKQR KIVVIAPGRINARTRAALDAAAKEMTTKDKTKQQQKDALILFFNRTAEAKIPSVIEYILD LLESGREKFLVFAHHKVVLDAITQELERKHVQHIRIDGSTSSAEREDLCQQFQLSERH AVAVLSITAANMGLTFSSADLVVFAELFWNPGVLIQAEDRVHRIGQTSSVGIHYLVAK GTADDYLWPLIQEKIKVLAEAGLSETNFSEMTSTDYLYKDPKQQKIYDLFQKSFEKE GSDMELLEAAESFDPGSASGTSGSSSQNMGDTLDESSLTASPQKKRRFEFFDNWD SFTSPL
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.
GENE INFORMATION	
Gene Name	SMARCAL1 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a-like 1 [Homo sapiens]
Official Symbol	SMARCAL1
Synonyms	SMARCAL1; SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a-like 1; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A-like protein 1; ATP driven annealing helicase; HARP; HepA related protein; HHARP; HepA-related protein; SMARCA-like protein 1; ATP-driven annealing helicase; sucrose nonfermenting protein 2-like 1;
Gene ID	50485
mRNA Refseq	NM_001127207
Protein Refseq	NP_001120679
MIM	606622
UniProt ID	Q9NZC9

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SDS-PAGE

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