

Product datasheet for **TP309444L**

SMARCE1 (NM_003079) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1 (SMARCE1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209444 protein sequence Red =Cloning site Green =Tags(s)

MSKRPSYAPPPTPAPATQMPSTPGFVGYNPYSHLAYNNYRLGGNPGTNSRVTASSGITIPKPPKPPDKPL
MPYMRYSRKVWDQVKASNPDLKLWEIGKIIGGMWRDLTDEEKQEYLNNEYAEKIEYNESMKAYHNSPAYL
AYINAKSRAEAALIEESRQRQSRMEKGEPYMSIQPAEDPDDYDDGFSMKHTATARFQRNHLRISEILSES
VVPDVRVVTARMQVLKRQVQSLMVHQRKLEALLQIEERHQEKRRKFLESTDSFNNELKRLCGLKVEV
DMEKIAAEIAQAEQARKRQEEREKEAAEQAERSQSSIVPEEQAAANKGEEKKDDENIPMETEETHLEET
TESQQNGEEGTSTPEDKESGQEGVDSMAEEGTSNTGSESNSATVEEPPTDPIPEDEKKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	46.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_003070</u>



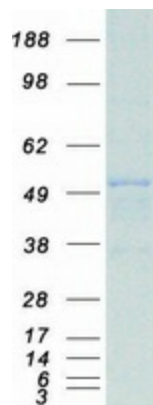
[View online »](#)

Locus ID: 6605
UniProt ID: [Q969G3](#), [A0A024R1S7](#)
RefSeq Size: 2425
Cytogenetics: 17q21.2
RefSeq ORF: 1233
Synonyms: BAF57; CSS5

Summary: The protein encoded by this gene is part of the large ATP-dependent chromatin remodeling complex SWI/SNF, which is required for transcriptional activation of genes normally repressed by chromatin. The encoded protein, either alone or when in the SWI/SNF complex, can bind to 4-way junction DNA, which is thought to mimic the topology of DNA as it enters or exits the nucleosome. The protein contains a DNA-binding HMG domain, but disruption of this domain does not abolish the DNA-binding or nucleosome-displacement activities of the SWI/SNF complex. Unlike most of the SWI/SNF complex proteins, this protein has no yeast counterpart. [provided by RefSeq, Jul 2008]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified SMARCE1 protein (Cat# [TP309444]). The protein was produced from HEK293T cells transfected with SMARCE1 cDNA clone (Cat# [RC209444]) using MegaTran 2.0 (Cat# [TT210002]).