

Recombinant Human alveolar soft part sarcoma chromosome region, candidate 1, His-tagged

Cat. No. ASPSCR1-211H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ASPSCR1, 1-553aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-553 a.a.
Description	ASPSCR1 contains a UBX domain and interacts with glucose transporter type 4 (GLUT4). This protein is a tether, which sequesters the GLUT4 in intracellular vesicles in muscle and fat cells in the absence of insulin, and redistributes the GLUT4 to the plasma membrane within minutes of insulin stimulation. Translocation t(X;17)(p11;q25) of this gene with transcription factor TFE3 gene results in a ASPSCR1-TFE3 fusion protein in alveolar soft part sarcoma and in renal cell carcinomas. Recombinant human ASPSCR1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT.
Molecular Mass	62.6kDa (576aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAAPAGG GGSVSVLAP NGRRH TVKVT

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PSTVLLQVLE DTCRRQDFNP CEYDLKFQRS VLDLSLQWRF ANLPNNAKLE
 MVPASRSREG PENMVRIALQ LDDGSRLQDS FCSGQTLWEL LSHFPQIREC
 LQHPGGATPV CVYTRDEVTG EAALRGTTLQ SLGLTGGSAT IRFVMKCYDP
 VGKTPGSLGS SASAGQAAAS APLPLESGEL SRGDLSRPED ADTSGPCCEH
 TQEKQSTRAP AAAPFVPFSG GGQRLGGPPG PTRPLTSSSA KLPKSLSSPG
 GPSKPKKSKS GQDPQQEQEQ ERERDPQQEQ ERERPVDREP VDREPVVCHP
 DLEERLQAWP AELPDEFFEL TVDDVRRRLA QLKSERKRLE EAPLVTKAFR
 EAQIKEKLER YPKVALRVLF PDRYVLQGFF RPSETVGDRL DFVRSHLGNP
 ELSFYLFITP PKTVLDDHTQ TLFQANLFPA ALVHLGAEEP AGVYLEPGLL
 EHAISPSAAD VLVARYMSRA AGSPSPLPAP DPAPKSEPAA EEGALVPPEP
 IPGTAQPVKR SLGKVPKWLK LPASKR

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [ASPSCR1 alveolar soft part sarcoma chromosome region, candidate 1 \[Homo sapiens \]](#)

Official Symbol ASPSCR1

Synonyms ASPSCR1; alveolar soft part sarcoma chromosome region, candidate 1; tether containing UBX domain for GLUT4; ASPL; ASPS; UBX domain protein 9; UBXD9; UBXM9; UBX domain-containing protein 9; alveolar soft part sarcoma locus; renal cell carcinoma, papillary, 17; renal papillary cell carcinoma protein 17; renal cell

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	carcinoma gene on chromosome 17; alveolar soft part sarcoma chromosomal region candidate gene 1 protein; TUG; RCC17; ASPCR1; FLJ45380;
Gene ID	79058
mRNA Refseq	NM_001251888
Protein Refseq	NP_001238817
MIM	606236
UniProt ID	Q9BZE9
Chromosome Location	17q25
Pathway	Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;
Function	molecular_function; protein binding;