

Recombinant Full Length Human ASPSCR1 Protein, GST-tagged

Cat. No. ASPSCR1-1298HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ASPSCR1 full-length ORF (AAH18722, 1 a.a. - 553 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	553 amino acids
Description	The protein encoded by this gene 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. Multiple alternatively spliced transcript variants have been found. [provided by RefSeq, Oct 2011]
Molecular Mass	86.57 kDa
AA Sequence	MAAPAGGGGS AVSVLAPNGR RHTVKVTPST VLLQVLEDTC RRQDFNPCEY DLKFQRSVLD LSLQWRFANL PNNAKLEMVP ASRSREGPEN MVRIALQLDD GSRLQDSFCS GQTLWELLSH FPQIRECLQH PGGATPVCVY TRDEVTGEAA LRGTTLQSLG LTGGSATIRF VMKCYDPVGK TPGSLGSSAS AGQAAASAPL

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PLESGELSRG DLSRPEDADT SGPCCEHTQE KQSTRAPAAA PFVPFSGGGQ
 RQGGPPGPTR PLTSSSAKLP KSLSSPGGPS KPKKSKSGQD PQQEQQERE
 RDPQQEQERE RPVDREPVDR EPVVCHPDLE ERLQAWPAEL PDEFFELTVD
 DVRRRLAQLK SERKRLEEAP LVTKAFREAQ IKEKLERYPK VALRVLPDR
 YVLQGFFRPS ETVGDLRDFV RSHLGNPELS FYLFITPPKT VLDDHTQTLF
 QANLFPAALV HLGAEPPAGV YLEPGLLEHA ISPSAADVLV ARYMSRAAGS
 PSPLPAPDPA PKSEPAAEEG ALVPPEPIPG TAQPVKRS LG KVPKWKLPA SKR

Applications

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

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ASPSR1 alveolar soft part sarcoma chromosome region, candidate 1 [Homo sapiens]

Official Symbol

ASPSR1

Synonyms

ASPSR1; alveolar soft part sarcoma chromosome region, candidate 1; tether containing UBX domain for GLUT4; ASPL; ASPS; UBX domain protein 9; UBXD9; UBXN9; UBX domain-containing protein 9; alveolar soft part sarcoma locus; renal cell carcinoma, papillary, 17; renal papillary cell carcinoma protein 17; renal cell carcinoma gene on chromosome 17; alveolar soft part sarcoma chromosomal region candidate gene 1 protein; TUG; RCC17; ASPCR1; FLJ45380

Gene ID

79058

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mRNA Refseq	NM_001251888
Protein Refseq	NP_001238817
MIM	606236
UniProt ID	Q9BZE9

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