

Recombinant Human ASPSCR1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ASPSCR1-4790H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ASPSCR1 MS Standard C13 and N15-labeled recombinant protein (NP_076988) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	60.2 kDa
AA Sequence	MAAPAGGGGSAVSVLAPNGRRHTVKVTPSTVLLQVLEDCRRQDFNPCEYDLKFQ RSVLDLSLQWRFANLPNNAKLEMVPASRSREGPENMVRIALQLDDGSRLQDSFCS GQTLWELLSHFPQIRECLQHPGGATPVCVYTRDEVTGEAALRGTTLSLGLTGGSA TIRFVMKCYDPVGKTPGSLGSSASAGQAAASAPLPLESGELSRGDLSPEDADTSG PCCEHTQEKGQSTRAPAAAPFVPFSGGGQRQGGPPGPTRPLTSSSAKLPKSLSSPG

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GPSKPKKSKSGQDPQQEQEQERERDPQQEQERERPVDREPVDREPVVCHPDLEE
 RLQAWPAELPDEFFELTVDDVRRRLAQLKSERKRLEEAPLVTKAFREAQIKEKLERY
 PKVALRVLPDRYVLQGFFRPSETVGDLRDFVRSHLGNPELSFYLFITPPKTVLDDHT
 QTLFQANLFPAALVHLGAEEPAGVYLEPGLLEHAISPSAADVLVARYMSRAAGSPSP
 LPAPDPAPKSEPAAEEGALVPPEPIPGTAQPVKRSLGKVPKWLKLPASKRTRTRPLE
 QKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [ASPSCR1](#) [ASPSCR1 tether for SLC2A4, UBX domain containing \[Homo sapiens \(human\) \]](#)

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; 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;

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Gene ID	79058
mRNA Refseq	NM_024083
Protein Refseq	NP_076988
MIM	606236
UniProt ID	Q9BZE9
SDS-PAGE	