

Product information



ASPSCR1, 1-553aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2165

Full name: Tether containing UBX domain for GLUT4 isoform 1

NCBI Accession No.: NP_076988

Synonyms: ASPSCR1, ASPL, ASPS, RCC17, TUG, UBXD9, UBXN9

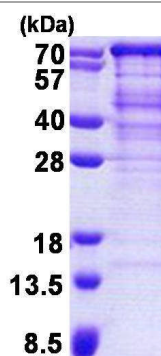
Description: ASPSCR1 contains a UBX domain and interacts with glucose transporter type 4 (GLUT4). This protein is a tether, which sequesters the GLUT4 in intracellular vesicles in muscle and fat cells in the absence of insulin, and redistributes the GLUT4 to the plasma membrane within minutes of insulin 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 Weight: 62.6kDa (576aa)

Purity: > 85% by SDS - PAGE

Concentration: 0.25 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSSLVPRGSH MGSMAAPAGG GGSVAVLAP NGRRHTVKVT PSTVLLQVLE DTCRRQDFNP CEYDLKFQRS VLDLSLQWRF
ANLPNNAKLE MVPASRSREG PENMVRIALQ LDDGSRLQDS FCSGQTLWEL LSHFPQIREC LQHPGGATPV CVYTRDEVTG EAALRGTTLQ
SLGLTGGSAT IRFVMKCYDP VGKTPGSLGS SASAGQAAAS APLPLESGEL SRGDLSRPED ADTSGPCCEH TQEKQSTRAP AAAPFVPFSG
GGQRLGGPPG PTRPLTSSA KLPKSLSSPG GPSKPKKSKS GQDPQQEQEQ ERERDPQQEQ ERERPVDREP VDREPVVCHP DLEERLQAWP
AELPDEFFEL TVDDVRRRLA QLKSERKRL EAPLVTKAFR EAQIKEKLER YPKVALRVLF PDRYVLQGF RPSETVGDLR DFVRSHLGNP
ELSFYLFITP PKTVLDDHTQ TLFQANLFPA ALVHLGAEAP AGVYLEPGLL EHAISPSAAD VLVARYMSRA AGSPSPAP DPAPKSEPA
EEGALVPEP IPGTAQPVKR SLGKVPKWLK LPASKR

General references:

Bogan JS, Hendon N, *et al.* (2003). *Nature*. 425(6959):727-33.

Argani P, Antonescu CR, *et al.* (2001). *Am J Pathol*. 159(1):179-92.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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