

Product Data Sheet

Product Name: ASPSCR1 Human
 Cat. No.: GP22791
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ASPSCR1; ASPL; ASPS; RCC17; TUG; UBXD9; UBXN9; Tether containing UBX domain for GLUT4; Alveolar soft part sarcoma chromosomal region candidate gene 1 protein; Alveolar soft part sarcoma locus; Renal papillary cell carcinoma protein 17; UBX domain-containing protein 9; ASPSCR1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAAPAGG GGSVSVLAP NGRRH TVKVT PSTVLLQVLE DTCRRQDFNP CEYDLKFQRS VLDLSLQWRF ANLPNNAKLE MVPASRSREG PENMVRIALQ LDDGSRLQDS FCSGQTLWEL LSHFPQIREC LQHPGGATPV CVYTRDEV TG 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 PDRYVLQGGFF RPSETVGD LR DFVRSHLGNP ELSFYLFITP PKTVLDDHTQ TLFQANLFPA ALVHLGAE EP AGVYLEPGLL EHAISPSAAD VL VARYMSRA AGSPSPLPAP DPAPKSEPAA EEGALVPPEP IPGTAQPVKR SLGKVPKWLK LPASKR.		
Formulation	The ASPSCR1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

Alveolar Soft Part Sarcoma Chromosome Region, Candidate 1 (ASPSCR1) contains a UBX domain and interacts with glucose transporter type 4 (GLUT4). ASPSCR1 is a tether, which sequesters the GLUT4 in intracellular vesicles in muscle and fat cells, and redistributes the GLUT4 to the plasma membrane. Translocation t(X;17)(p11;q25) of this

Caution: Product has not been fully validated for medical applications. For research use only.

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ASPSCR1 with transcription factor TFE3 gene ends with a ASPSCR1-TFE3 fusion protein in alveolar soft part sarcoma and in renal cell carcinomas.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ASPSCR1 Human Recombinant produced in E. coli is a single polypeptide chain containing 576 amino acids (1-553) and having a molecular mass of 62.6kDa. ASPSCR1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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