9051 Mira Mesa Blvd, #910094
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ASPSCR1 Human

Alveolar Soft Part Sarcoma Chromosome Region, Candidate 1 Human Recombinant RCP0131

Product Overview

Name	ASPSCR1 Human

Description

Alveolar Soft Part Sarcoma Chromosome Region, Candidate 1 Human Recombinant

Accession (Primary)	Q9BZE9

Synonyms

ASPCR1, 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.

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

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

The ASPSCR1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

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.

Purity

Greater than 85% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MAAPAGG GGSAVSVLAP NGRRHTVKVT PSTVLLQVLE DTCRRQDFNP

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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 RPSETVGDLR DFVRSHLGNP ELSFYLFITP PKTVLDDHTQ TLFQANLFPA ALVHLGAEEP AGVYLEPGLL EHAISPSAAD VLVARYMSRA AGSPSPLPAP DPAPKSEPAA EEGALVPPEP IPGTAQPVKR SLGKVPKWLK LPASKR.

Precautions

ASPSCR1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BZE9)