



## Recombinant Human Alveolar Soft Part Sarcoma Chromosome Region Datasheet

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**Catalog Number:** PR27224

**Product Type:** Recombinant Protein

**Source:** *E. Coli*

**Amino Acid Sequence:** MGSSHHHHHH SGLVPRGSH MGSMAAPAGG GGSVSVLAP NGRRHVTKVT PSTVLLQVLE DTCRRQDFNP CEYDLKFQRS VLDLSLQWRF ANLPNNAKLE MVPASRSREG PENMVRIALQ LDDGSRLQDS FCSGQTLWEL LSHFPQIREC LQHPGGATPV CVYTRDEVTVG EAALRGTTLQ SLGLTGGSAT IRFVMKCYDP VGKTPGSLGS SASAGQAAAS APLPLESGEL SRGDLSRPED ADTSGPCCEH TQEKQSTRAP AAAPFVPSFG GGQRLGGPPG PTRPLTSSSA KLPKSLSSPG GPSKPKSKS GQDPQQEQEQ ERERDPQQEQ ERERPVDREP VDREPVVCHP DLEERLQAWP AELPDEFFEL TVDDVRRRLA QLKSERKRL EAPLVTKAFR EAQIKEKLER YPKVALRVLF PDRYVLQGI RPSETVGDLR DFVRSHLGNP ELSFYLFITP PKTVLDDHTQ TLFQANLFPA ALVHLGAEAP AGVYLEPGI EHAISPSAAD VLARYMSRA AGSPSPLPAP DPAPKSEPAA EEGALVPPPEP IPGTAQPVKR SLGKVPKWLK LPASKR.

**Description/Molecular Mass:** 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.

**Purity:** 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.

Greater than 85.0% as determined by:  
(a) Analysis by SDS-PAGE.

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

**Storage:** 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.

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