

Product datasheet for PH305817

TUG (ASPCR1) (NM_024083) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | ASPCR1 MS Standard C13 and N15-labeled recombinant protein (NP_076988) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC205817 |
| Predicted MW: | 60.2 kDa |
| Protein Sequence: | >RC205817 protein sequence Red=Cloning site Green=Tags(s) |

MAAPAGGGGSAVSVLAPNGRRHTVKVTPSTVLLQVLEDTCRRQDFNPCEYDLKQFQSVLDSLQWRFANL
PNNAKLEMVPASRSREGPENMVRIALQLDDGSRLQDSFCSGQTLWELLSHFPQIRECLQHPGGATPVCVY
TRDEVTGEAALRGTTLQSLGLTGGSATIRFVMKCYDPVGKTPGSLGSSASAGQAAASAPLPLESGELSRG
DLSRPEDADTSGPCCEHTQEKQSTRAPAAAPFVPFSGGGQRQGGPPGPTPLTSSAKLPKSLSSPGGGS
KPKKSKSGQDPQQEQEQERERDPQQEQERERPDREPVDPREPVVCHPDLEERLQAWPAELPDEFFELTVD
DVRRLAQLKSERKRLEEAPLVTKAFREAQIKEKLERYPKVALRVLFPDRYVLQGFPRSETVGDRLDFV
RSHLGNPELSFYLFITPPKTVLDDHTQTLFQANLFPAAALVHLGAEAPAGVYLEPGLLEHAI SPSAADVLV
ARYMSRAAGSPSPLPAPDPAPKSEPAEEGALVPPEPIPGTAQPVKRSLGKVPKWLKLPASKR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | <u>NP_076988</u> |
| RefSeq Size: | 1858 |
| RefSeq ORF: | 1659 |



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Synonyms: ASPCR1; ASPL; ASPS; RCC17; TUG; UBXD9; UBXN9

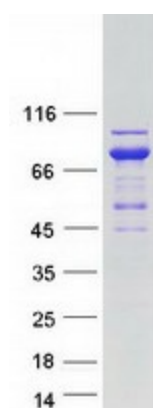
Locus ID: 79058

UniProt ID: [Q9BZE9](#)

Cytogenetics: 17q25.3

Summary: 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. [provided by RefSeq, Oct 2011]

Product images:



Coomassie blue staining of purified ASPSCR1 protein (Cat# [TP305817]). The protein was produced from HEK293T cells transfected with ASPSCR1 cDNA clone (Cat# [RC205817]) using MegaTran 2.0 (Cat# [TT210002]).