

Product datasheet for PH314814

ARS2 (SRRT) (NM_015908) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SRRT MS Standard C13 and N15-labeled recombinant protein (NP_056992)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214814
Predicted MW:	100.5 kDa
Protein Sequence:	>RC214814 representing NM_015908 Red=Cloning site Green=Tags(s)
	<p>MGDSDDEYDRRRDKFRRERSDYDRSRERDERRRGDDWNDREWDRGRERRSRGEYRDYDRNRRERFSPPR HELSPPPQKMRRDWDEHSSDPYHSGYEMPYAGGGGPTYGPPQPWGHDPVHIMQHHLVPIQARLGSIAEI DLGVPPPVMKTFKEFLSLDDSVDETEAVKRYNDYKLDFFRRQQMQDFFLAHKDEEWFRSKYHPDEVGKRR QEARGALQNRLRVFLSLMETGWFDNLLLDIDKADAIVKMLDAAVIKMEGGTENDLRILEQEEEEEQAGKP GEPskKEEGRAGAGLGDGERKTNDKDEKKEDGKQAENDSSNDDKTKKSEGDDGKEEKKEDSEKEAKKSSK KRNRKHSGDSSFDEGSVSESESESESGQAEKEEAEALKEKEKPKKEEWEKPKDAAGLECKPRPLHKT CSLFMRNIAPNISRAEIIISLCKRYPGFMVRVALSEPQPERFFRRGWVTFDRSVNIKEICWNLQNIIRLREC ELSPGVNRDLTRVRNNGITQHKQIVRNDIKLAAKLIHTLDDRTQLWASEPGTPPLPTSLPSQNPILKN ITDYLIEEVSAAEEELLGSSGGAPPEEPKEGNPAEINVERDEKLIKVLKLLLYLRIVHSLDYNTCEY PNEDEMPNRCGIHVRGPMPPNRI SHGEVLEWQKTFEELTPLL SVRESLSEEEAQKMGKRDPEQEVEKF VTSNTQELGKDKWLCPLSGKKFKGPEFVRKHI FNKHAEKIEEVKKEVAFFNNFLTDAKRPALPEIKPAQP PGPAQILPPGLTPGLPYPHQTPQGLMPYQPRPPILGYGAGAVRPAVPTGGPPYPHAPYGAGRGNDAFR QGQGGYPGKPRNRMVRGDPRAIVEYRDL DAPDDVDF</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p>
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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.



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RefSeq: [NP_056992](#)

RefSeq Size: 2994

RefSeq ORF: 2628

Synonyms: ARS2; ASR2; serrate

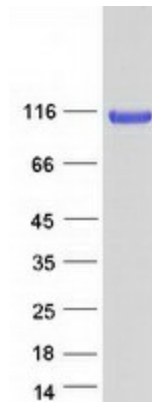
Locus ID: 51593

UniProt ID: [Q9BXP5](#)

Cytogenetics: 7q22.1

Summary: Acts as a mediator between the cap-binding complex (CBC) and the primary microRNAs (miRNAs) processing machinery during cell proliferation. Contributes to the stability and delivery of capped primary miRNA transcripts to the primary miRNA processing complex containing DGCR8 and DROSHA, thereby playing a role in RNA-mediated gene silencing (RNAi) by miRNAs. Binds capped RNAs (m7GpppG-capped RNA); however interaction is probably mediated via its interaction with NCBP1/CBP80 component of the CBC complex. Involved in cell cycle progression at S phase. Does not directly confer arsenite resistance but rather modulates arsenic sensitivity. Independently of its activity on miRNAs, necessary and sufficient to promote neural stem cell self-renewal. Does so by directly binding SOX2 promoter and positively regulating its transcription (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified SRRT protein (Cat# [TP314814]). The protein was produced from HEK293T cells transfected with SRRT cDNA clone (Cat# [RC214814]) using MegaTran 2.0 (Cat# [TT210002]).