

Product datasheet for **AR50639PU-N**

RASSF1 (1-340, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	RASSF1 (1-340, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSE PELIELRELA PAGRAGKGRT RLERANALRI ARGTACNPTR QLVPGRGRHF QPAGPATHTW CDLCGDFIWG VVRKGLQCAH CKFTCHYRCR ALVCLDCCGP RDLGWEPAVE RDTNVDEPVE WETPDLSQAE IEQKIKEYNA QINSNLFMSL NKDGSYTGFI KVQLKLVPRV SVPSSKKPPS LQDARRGPGR GTSVRRRTSF YLPKDAVKHL HVLSRTRARE VIEALLRKFL VDDPRKFAL FERAERHGQV YLRKLLDDEQ PLRLRLLAGP SDKALSFLVK ENDSGEVNWD AFSMPELHNF LRILQREEEE HLRQILQKYS YCRQKIQEAL HACPLG
Tag:	His-tag
Predicted MW:	42.9 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human RASSF1A protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001193886
Locus ID:	11186
UniProt ID:	Q9NS23
Cytogenetics:	3p21.31
Synonyms:	123F2; NORE2A; RASSF1A; RDA32; REH3P21



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Summary:

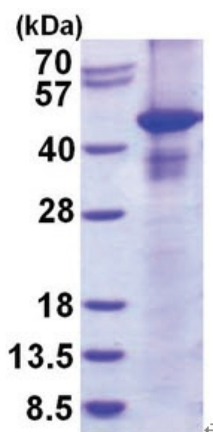
This gene encodes a protein similar to the RAS effector proteins. Loss or altered expression of this gene has been associated with the pathogenesis of a variety of cancers, which suggests the tumor suppressor function of this gene. The inactivation of this gene was found to be correlated with the hypermethylation of its CpG-island promoter region. The encoded protein was found to interact with DNA repair protein XPA. The protein was also shown to inhibit the accumulation of cyclin D1, and thus induce cell cycle arrest. Several alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq, May 2011]

Protein Families:

Druggable Genome

Protein Pathways:

Bladder cancer, Non-small cell lung cancer, Pathways in cancer

Product images:

15% SDS-PAGE (3ug)