

Recombinant Human Ras association (RalGDS/AF-6) domain family member 1, His-tagged

Cat. No. RASSF1-376H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RASSF1A, 1-340aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-340 a.a.
Description	RASSF1A is 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. This protein required for death receptor-dependent apoptosis. Recombinant human RASSF1A protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	42.9 kDa (376aa)
AA Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSE PELIELRELA PAGRAGKGRT RLERANALRI ARGTACNPTR QLPVGRGHRF QPAGPATHTW CDLCGDFIWG VVRKGLQCAH CKFTCHYRCR ALVCLDCCGP RDLGWEPAVE RDTNVDEPVE WETPDLSQAE IEQKIKEYNA QINSNLFMSL NKDGSYTGFI KVQLKLVRPV SVPSSKKPPS LQDARRGPGR GTSVRRRTSF YLPKDAVKHL

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HVLSRTRARE VIEALLRKFL VVDDPRKFAL FERAERHGQV YLRKLLDDEQ
PLRLRLLAGP SDKALSFVLK ENDSGEVNWD AFSPMELHNF LRILQREEEE
HLRQILQKYS YCRQKIQEAL HACPLG

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [RASSF1 Ras association \(RalGDS/AF-6\) domain family member 1 \[Homo sapiens \]](#)

Official Symbol RASSF1

Synonyms RASSF1; Ras association (RalGDS/AF-6) domain family member 1; ras association domain-containing protein 1; 123F2; NORE2A; RDA32; REH3P21; WUGSC:H_LUCA12.5; tumor suppressor protein RDA32; cardiac-specific ras association domain family 1 protein; pancreas-specific ras association domain family 1 protein; RASSF1A;

Gene ID [11186](#)

mRNA Refseq [NM_001206957](#)

Protein Refseq [NP_001193886](#)

MIM [605082](#)

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UniProt ID	Q9NS23
Chromosome Location	3p21.3
Pathway	Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Non-small cell lung cancer, organism-specific biosystem; Non-small cell lung cancer, conserved biosystem; Pathways in cancer, organism-specific biosystem; p53 pathway, organism-specific biosystem;
Function	identical protein binding; metal ion binding; protein N-terminus binding; protein binding; zinc ion binding;

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