Recombinant human RASSF1A protein

Catalog Number: ATGP1815

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-340aa

UniProt No.
Q9NS23

NCBI Accession No.
NP_009113

Alternative Names
Ras association domain-containing protein 1, 123F2, NORE2A, RASSF1, RDA32, REH3P21

PRODUCT SPECIFICATION

Molecular Weight
42.9 kDa (376aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Recombinant human RASSF1A protein

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Amino acid Sequence

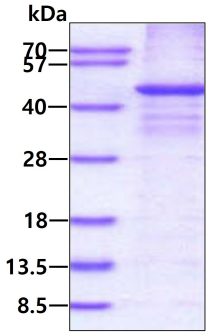
<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS>MSGE PELIELRELA PAGRAGKGRT RLERANALRI ARGTACNPTR QLVPGRGHRF QPAGPATHTW CDLCGDFIWG VVRKGLQCAH CKFTCHYRCR ALVCLDCCGP RDLGWEPAVE RDTNVDEPVE WETPDLSQAE IEQKIKEYNA QINSNLFMSL NKDGSYTGFI KVQLKLVRPV SVPSSKKPPS LQDARRGPGR GTSVRRRTSF YLPKDAVKHL HVLSRTRARE VIEALLRKFL VVDDPRKFAL FERAERHGQV YLRKLLDDEQ PLRLRLLAGP SDKALSFVLK ENDSGEVNWD AFSMPELHNF LRILQREEEE HLRQILQKYS YCRQKIQEAL HACPLG

General References

Burbee D.G., et al. (2001) J. Natl. Cancer Inst. 93:691-699
Shivakumar L., et al. (2002) Mol. Cell. Biol. 22:4309-4318

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.