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## Product Data Sheet

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Product Name: RASSF1A Human  
 Cat. No.: GP24344  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	123F2; NORE2A; RASSF1; RDA32; REH3P21; Ras association domain-containing protein 1.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSSGE PELIELRELA PAGRAGKGRT RLERANALRI ARGTACNPTR QLVPGRGHRF QPAGPATHTW CDLCGDFIWG VVRKGLQCAH CKFTCHYRCR ALVCLDCCGP RDLGWEPAVE RDTNVDEPVE WETPDLSQAE IEQKIKEYNA QINSNLFMSL NKDGSYTGFI KVQLKLVPRPV SVPSSKKPPS LQDARRGPGR GTSVRRRTSF YLPKDAVKHL HVLSRTRARE VIEALLRKFL VVDDPRKFAL FERAERHGQV YLRKLLDDEQ PLRLRLLAGP SDKALSFVLK ENDSGEVNW DAFSMPELHNF LRILQREEEE HLRQILQKYS YCRQKIQEAL HACPLG.		
Formulation	RASSF1A protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) 0.4M Urea and 10% glycerol.		

### Introduction

RASSF1A protein is a potential tumor suppressor like the RAS effector proteins. Presence or absence expression of this gene has been related with the pathogenesis of a variety of cancers, which suggests the tumor suppressor function of this RASSF1A gene. The inactivation of RASSF1A was found to be associated with the hypermethylation of its CpG-island promoter region. RASSF1A required for death receptor-dependent apoptosis.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

**Caution: Product has not been fully validated for medical applications. For research use only.**

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RASSF1A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 376 amino acids (1-340 a.a.) and having a molecular mass of 42.9kDa. RASSF1A is fused to a 36 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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