

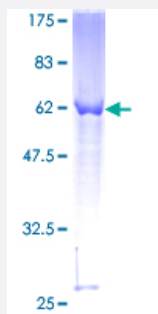
Full-Length

RASSF1 (Human) Recombinant Protein (P01)

Catalog # H00011186-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human RASSF1 full-length ORF (NP_009113.3, 1 a.a. - 270 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGEAEAPSFEMTWSSTTSSGYCSQEDSDSELEQYFTARTSLARRPRRDQDEPVEWETPDLSQ
AEIEQKIKEYNAQINSNLFMSLNKDGSYTGFIKVQLKLVVPVSPSSKKPPSLQDARRGPGRGTSV
RRRTSFYLPKDAVKHLHVLSTRAREVIEALLRKFLVDDPRKFALFERAERHGQVYLRKLLDDE
QPLRLRLLAGPSDKALSFVLKENDSGEVNWDFAFSMPELHNFLRLQREEEHRLRQILQKYSYCRQ
KIQEALHACPLG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

55.33

Interspecies Antigen Sequence

Mouse (92); Rat (91)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RASSF1

Entrez GeneID[11186](#)**GeneBank Accession#**[NM_007182.2](#)**Protein Accession#**[NP_009113.3](#)**Gene Name**

RASSF1

Gene Alias

123F2, NORE2A, RASSF1A, RDA32, REH3P21

Gene Description

Ras association (RalGDS/AF-6) domain family member 1

Omim ID[211980 605082](#)**Gene Ontology**[Hyperlink](#)**Gene 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. Seven alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq]

Other Designations

OTTHUMP00000195503|Ras association (RalGDS/AF-6) domain family 1|Ras association domain family 1|Ras association domain family protein 1|WUGSC:H_LUCA12.5|cardiac-specific ras association domain family 1 protein|pancreas-specific ras association domain fam

Pathway

- [Bladder cancer](#)
- [Non-small cell lung cancer](#)
- [Pathways in cancer](#)

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Colorectal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Fibroadenoma](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Lung Neoplasms](#)