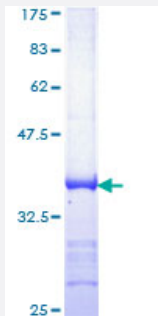


ATR (Human) Recombinant Protein (Q01)

Catalog # H00000545-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ATR partial ORF (NP_001175, 2545 a.a. - 2644 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DQREPLMSVLKTF LHDPLVEWSKPVKGH SKAPLNETGEVVNEKAKTHVLDIEQRLQGVIKTRNRV TGLPLSIEGHVHYLIQEATDENLLCQMYLGWTPYM
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (100); Rat (99)
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 — ATR

Entrez GeneID	545
GeneBank Accession#	NM_001184
Protein Accession#	NP_001175
Gene Name	ATR
Gene Alias	FRP1, MEC1, SCKL, SCKL1
Gene Description	ataxia telangiectasia and Rad3 related
Omim ID	210600 601215
Gene Ontology	Hyperlink
Other Designations	FRAP-related protein-1 MEC1, mitosis entry checkpoint 1, homolog Rad3 related protein ataxia t elangiectasia and Rad3 related protein protein kinase ATR

Pathway

- [Cell cycle](#)
- [p53 signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Ataxia telangiectasia](#)

- [Atherosclerosis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Coronary Disease](#)
- [DNA Damage](#)
- [Endometrial Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Microsatellite Instability](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Werner syndrome](#)