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Product datasheet for AR51568PU-S

BCCIP / TOK1 (1-314, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	BCCIP / TOK1 (1-314, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSEFMASRS KRRAVESGVP QPPDPPVQRD EEEEKEVENE DEDDDDSDKE KDEEDEVIDE EVNIEFEAYS LSDNDYDGIK KLLQQLFLKA PVNTAELTDL LIQQNHIGSV IKQTDVSEDS NDDMDEDEVF GFISLLNLTE RKGTQCVEQI QELVLRFCEK NCEKSMVEQL DKFLNDTTKP VGLLLSERFI NVPPQIALPM YQQLQKELAG AHRTNKPCGK CYFYLLISKT FVEAGKNNSK KKPSNKKKAA LMFANAEEEF FYEKAILKFN YSVQEESDTC LGGKWSFDDV PMTPLRTVML IPGDKMNEIM DKLKEYLSV
Tag:	His-tag
Predicted MW:	38.6 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human BCCIP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_057651
Locus ID:	56647
UniProt ID:	Q9P287
Cytogenetics:	10q26.2

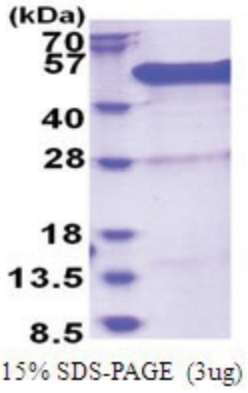
View online »

Synonyms: TOK-1; TOK1

Summary: This gene product was isolated on the basis of its interaction with BRCA2 and p21 proteins. It is an evolutionarily conserved nuclear protein with multiple interacting domains. The N-terminal half shares moderate homology with regions of calmodulin and M-calpain, suggesting that it may also bind calcium. Functional studies indicate that this protein may be an important cofactor for BRCA2 in tumor suppression, and a modulator of CDK2 kinase activity via p21. This protein has also been implicated in the regulation of BRCA2 and RAD51 nuclear focus formation, double-strand break-induced homologous recombination, and cell cycle progression. Multiple transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Stem cell - Pluripotency

Product images:



15% SDS-PAGE (3ug)