Datasheet for ABIN1639382

RAD51 Protein (AA 1-336) (His tag)

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Overview

Quantity:	1 mg
Target:	RAD51
Protein Characteristics:	AA 1-336
Origin:	Xenopus laevis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAD51 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MAMQAHYEAE ATEEEHFGPQ AISRLEQCGI NANDVKKLEE AGFHTVEAVA YAPKKELLNI KGISEAKAEK ILAEAAKLVP MGFTTATEFH QRRSEIIQIS TGSKELDKLL QGGVETGSIT EMFGEFRTGK TQLCHTLAVT CQLPIDRGGG EGKAMYIDTE GTFRPERLLA VAERYGLSGS DVLDNVAYAR AFNTDHQTQL LYQASAMMAE SRYALLIVDS ATALYRTDYS GRGELSARQM HLARFLRMLL RLADEFGVAV VITNQVVAQV DGAAMFAADP KKPIGGNIIA HASTTRLYLR KGRGETRICK IYDSPCLPEA EAMFAINADG VGDAKD
Specificity:	Xenopus laevis (African clawed frog)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	RAD51
Alternative Name:	DNA repair protein RAD51 homolog A (rad51-a) (RAD51 Products)
Background:	Recommended name: DNA repair protein RAD51 homolog A. Short name= xRAD51.1
UniProt:	Q91918
Pathways:	DNA Damage Repair

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.