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Datasheet for ABIN1653313 **XRCC1 Protein (AA 1-631) (His tag)**

Overview

Quantity:	1 mg
Target:	XRCC1
Protein Characteristics:	AA 1-631
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This XRCC1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>MPEISLRHVV SCSSQDSTHR AENLLKADTY RKWRSKAGE KTISVVLQLE KEEQIHSVDI GNDGSAFVEV LVGSSAGGAT AGEQDYEVLL VTSSFMSPPSE SRSGSNPNRV RIFGPDKLVR AAAEKRWDRV KIVCSQPYSK DSPYGLSFVK FHSPDPKDEA EAPSQKVTVT KLGQFRVKEE DDSANSLRPG ALFFNRINKA ASASASDPAG PSYAAATLQA SSAASSASPV PKVGGSSSKL QEPPKGKRKL DLGLEDKKPP SKPSAGPPAP KRPKLPVPSR TPAATPASTP AQKAVPGKPR GEGTEPRGAR AGPQELGKIL QGVVVVLSGF QNPFRSELRD KALELGAKYR PDWTPDSTHL ICAFANTPKY SQVLGLGGRI VRKEWVLDY RMRRRLPSRR YLMAGLGSSS EDEGDHSES GEDEAPKLPR KRPQPKAKTQ AAGPSSPPRP PTPEETKAPS PGPQDNSDTD GEQSEGRDNG AEDSGDTEDE LRRVAKQREQ RQPPAPEENG EDPYAGSTDE NTDSEAPSEA DLPIPELPDF FQGKHFFLYG EFPGDERRKL IRYVTAFNGE LEDYMSDRVQ FVITAEQWDP NFEEALMENP SLAFVRPRWI YSCNEKQKLL PHQLYGVPQ A</p>
Specificity:	Rattus norvegicus (Rat)

Product Details

Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
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Purity:	> 90 %
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Target Details

Target:	XRCC1
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Alternative Name:	DNA repair protein XRCC1 (Xrcc1) (XRCC1 Products)
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Background:	Recommended name: DNA repair protein XRCC1. Alternative name(s): X-ray repair cross-complementing protein 1
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UniProt:	Q9ESZ0
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Pathways:	DNA Damage Repair
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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 modified 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.
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Restrictions:	For Research Use only
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Handling

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

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.