E3 Ubiquitin-Protein Ligase RNF8-A (rnf8-a) Xenopus Laevis Recombinant Protein

PRODUCT OVERVIEW

Product Name	E3 ubiquitin-protein ligase RNF8-A (rnf8-a), Recombinant Protein
Full Product Name	Recombinant Xenopus laevis E3 ubiquitin-protein ligase RNF8-A (rnf8-a), partial
Product Gene Name	rnf8-a recombinant protein
Product Synonym Gene Name	rnf8-a
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	61,925 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q7ZX20
Species	Xenopus laevis (African clawed frog)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rnf8-a recombinant protein	MBS1404276 is a recombinant protein targeting rnf8-a. Also known as Recombinant Xenopus laevis E3 ubiquitin-protein ligase RNF8-A (rnf8-a), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rnf8-a recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for rnf8-a. It may not necessarily be applicable to this product.

NCBI GI #	148223942
NCBI GeneID	380076
NCBI Accession #	NP_001080384.1
UniProt Primary Accession #	Q7ZX20
UniProt Related Accession #	Q7ZX20
GenBank Nucleotide #	NM_001086915.1
NCBI Official Full Name	E3 ubiquitin-protein ligase rnf8-A
NCBI Official Synonym Full Names	ring finger protein 8, E3 ubiquitin protein ligase S homeolog
NCBI Official Symbol	rnf8.S

NCBI Official Synonym Symbols	rnf8; rnf8-a; rnf8-b
UniProt Protein Name	E3 ubiquitin-protein ligase rnf8-A
UniProt Synonym Protein Names	RING finger protein 8-A
Protein Family	E3 ubiquitin-protein ligase
UniProt Gene Name	rnf8-A
NCBI Protein Information	E3 ubiquitin-protein ligase rnf8-A
UniProt Comments for rnf8-a	E3 ubiquitin-protein ligase that plays a key role in DNA damage signaling via 2 distinct roles: by mediating the 'Lys-63'-linked ubiquitination of histones H2A and H2AX and promoting the recruitment of DNA repair proteins at double-strand breaks (DSBs) sites, and by catalyzing 'Lys-48'-linked ubiquitination to remove target proteins from DNA damage sites. Following DNA DSBs, it is recruited to the sites of damage by ATM-phosphorylated mdc1 and catalyzes the 'Lys-63'-linked ubiquitination of histones H2A and H2AX, thereby promoting the formation of tp53bp1 and brca1 ionizing radiation-induced foci (IRIF). H2A ubiquitination also mediates the ATM-dependent transcriptional silencing at regions flanking DSBs in cis, a mechanism to avoid collision between transcription and repair intermediates. Also catalyzes the formation of 'Lys-48'-linked polyubiquitin chains, leading to degradation of substrate proteins. In addition to its function in damage signaling, also plays a role in higher-order chromatin structure by mediating extensive chromatin decondensation.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/e3-ubiquitin-protein-ligase-rnf8-a-rnf8-a/1404276