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Datasheet for ABIN7563448

RAD23A Protein (AA 1-363) (His tag)

Overview

Quantity:	1 mg
Target:	RAD23A
Protein Characteristics:	AA 1-363
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAD23A protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Rad23a Protein expressed in mammalien cells.
Sequence:	<p>MAVTITLKTL QQQTFKIRME PDETVKVLKE KIEAEKGRDA FPVAGQKLIY AGKILSDDVP IKEYHIDEKN FVVMVTKAK AGQGIPAPPE ASPTAVPEPS TPFPVVLASG MSHPPPTSRE DKSPSEESTT TTSPESISGS VPSSGSSGRE EDAASTLVTG SEYETMLTEI MSMGYERERV VAALRASYN PHRAVEYLLT GIPGSPEPEH GSVQESQAPE QPATEAAGEN PLEFLRDQPQ FQNMQRVIQQ NPALLPALLQ QLGQENPQLL QQISRHQEQF IQMLNEPPGE LADISDVEGE VGAIGEEAPQ MNYIQVTPQE KEAIERLKAL GFPESLVIQA YFACEKNENL AANFLLSQNF DDE</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: RAD23A

Alternative Name: Rad23a ([RAD23A Products](#))

Background: UV excision repair protein RAD23 homolog A (HR23A) (mHR23A),FUNCTION: Multiubiquitin chain receptor involved in modulation of proteasomal degradation. Binds to 'Lys-48'-linked polyubiquitin chains in a length-dependent manner and with a lower affinity to 'Lys-63'-linked polyubiquitin chains. Proposed to be capable to bind simultaneously to the 26S proteasome and to polyubiquitinated substrates and to deliver ubiquitinated proteins to the proteasome (By similarity). {ECO:0000250}., FUNCTION: Involved in nucleotide excision repair and is thought to be functional equivalent for Rad23b in global genome nucleotide excision repair (GG-NER) by association with Xpc. In vitro, the XPC:RAD23A dimer has NER activity. Can stabilize Xpc. Reported differences to Rad23b in regard to NER activity and Xpc stabilization are probably due to differences in expression levels with Rad23a being much less expressed than Rad23b. {ECO:0000269|PubMed:12815074, ECO:0000269|PubMed:15336624}.

Molecular Weight: 39.7 kDa

UniProt: [P54726](#)

Target Details

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months