

Datasheet for ABIN7557312

## MACROD2 Protein (AA 1-475) (His tag)



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### Overview

Quantity:	1 mg
Target:	MACROD2
Protein Characteristics:	AA 1-475
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MACROD2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat MacroD2 Protein expressed in mammalian cells.
Sequence:	<p> MYPSNKKKKV WREEKERLLK MTLEERRKEY IRDYVSLSTI LSWKEEMKSK GQNDEENTQE  APQMKKSLSE KVSlyRGDIT LLEVDAIVNA ANASLLGGGG VDGCIHRAAG PCLLAECRNL  NGCETGHAKI TCGYDLPAKY VIHTVGPIAR GHINGSHKED LANCYQSSLK LVKENNLRSV  AFPCISTGIY GFPNEPAAVI ALGTIKEWLA KNHQEVDRII FCFVLEVDKF IYKKKMNEFF  PVDDNNEGTD ADMKEDSEGP EPKGLSPPHK KSKAKKPESK KDSSSEDESGP EEKQTAEEME  GQSQEAGGLR FLLRNLLGLI HRDGVNTPPV PSPASEDKAE VHKDEDSAKD DNTVKDSMT  NHSVCDQELP NGQENDSAKS EGKTEAESPS SSMETEDLSP NQEDAAIVEQ PEVIPLIDDQ  EAQEGGEAQG KDAPAVFAES QGSSEAEANTS GPDVDMNSQV DGVNEPTESL QEDLQ <b>Sequence</b>  <b>without tag. The proposed Purification-Tag is based on experiences with the expression</b>  <b>system, a different complexity of the protein could make another tag necessary. In case you</b>  <b>have a special request, please contact us.</b> </p>

## Product Details

Characteristics:	<div><div>Key Benefits:</div><ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul><p>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.</p><p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p><p>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.</p></div>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

## Target Details

Target:	MACROD2
Alternative Name:	MacroD2 ( <a href="#">MACROD2 Products</a> )
Background:	<p>ADP-ribose glycohydrolase MACROD2 (MACRO domain-containing protein 2) (O-acetyl-ADP-ribose deacetylase MACROD2) (EC 3.5.1.-) ([Protein ADP-ribosylaspartate] hydrolase MACROD2) (EC 3.2.2.-) ([Protein ADP-ribosylglutamate] hydrolase MACROD2) (EC 3.2.2.-),FUNCTION: Removes ADP-ribose from aspartate and glutamate residues in proteins bearing a single ADP-ribose moiety. Inactive towards proteins bearing poly-ADP-ribose. Deacetylates O-acetyl-ADP ribose, a signaling molecule generated by the deacetylation of acetylated lysine residues in histones and other proteins. {ECO:0000250 UniProtKB:A1Z1Q3}.</p>
Molecular Weight:	52.1 kDa
UniProt:	<a href="#">Q3UYG8</a>

## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

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