

Datasheet for ABIN7554689

## NAT8 Protein (AA 1-227) (His tag)



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### Overview

Quantity:	1 mg
Target:	NAT8
Protein Characteristics:	AA 1-227
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NAT8 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat NAT8 Protein expressed in mammalian cells.
Sequence:	<p>MAPCHIRKYQ ESDRQWVVL LSRGMAEHAP ATFRQLLKLP RTLILLGGP LALLLVSGSW            LLALVFSISL FPALWFLAKK PWTEYVDMTL CTDMSDITKS YLSERGSCFW VAESEKVVG            MVGALPVDDP TLREKRLQLF HLFVDSEHRR QGIAKALVRT VLQFARDQGY SEVILDTGTI            QLSAMALYQS MGFKKTGQSF FCVWARLVAL HTVHFYHLP SSKVGSL <b>Sequence without tag.</b></p> <p><b>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.</b></p>
Characteristics:	<p>Key Benefits:</p> <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</li> </ul>

## Product Details

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: NAT8

Alternative Name: NAT8 ([NAT8 Products](#))

Background: N-acetyltransferase 8 (EC 2.3.1.-) (Acetyltransferase 2) (ATase2) (Camello-like protein 1) (Cysteinyl-conjugate N-acetyltransferase) (CCNAT) (EC 2.3.1.80),FUNCTION: Acetylates the free alpha-amino group of cysteine S-conjugates to form mercapturic acids (PubMed:20392701). This is the final step in a major route for detoxification of a wide variety of reactive electrophiles which starts with their incorporation into glutathione S-conjugates. The glutathione S-conjugates are then further processed into cysteine S-conjugates and finally mercapturic acids which are water soluble and can be readily excreted in urine or bile. Alternatively, may have a lysine N-acetyltransferase activity catalyzing peptidyl-lysine N6-acetylation of various proteins. Thereby, may regulate apoptosis through the acetylation and the regulation of the expression of PROM1 (PubMed:24556617). May also regulate amyloid beta-peptide secretion through acetylation of BACE1 and the regulation of its expression in neurons (PubMed:19011241). {ECO:0000269|PubMed:19011241, ECO:0000269|PubMed:20392701, ECO:0000269|PubMed:24556617}.

Molecular Weight: 25.6 kDa

UniProt: [Q9UHE5](#)

## 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.
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Restrictions:	For Research Use only
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## 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