

Datasheet for ABIN7547921  
**GFAP Protein (AA 1-432) (His tag)**



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3 Images

## Overview

Quantity:	1 mg
Target:	GFAP
Protein Characteristics:	AA 1-432
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GFAP protein is labelled with His tag.

## Product Details

Purpose:	Made-to-order recombinant GFAP Protein expressed in mammalian cells.
Sequence:	<p>MERRRITSAA RRSYVSSGEM MVGGLAPGRR LGPGTRLSLA RMPPPLPTRV DFSLAGALNA            GFKETRASER AEMMELNDRF ASYIEKVRFL EQQNKALAAE LNQLRAKEPT KLADVYQAEI            RELRLRLDQL TANSARLEVE RDNLAQDLAT VRQKLQDET NLRLEAENNL AAYRQEAD EAT            LARLDLERKI ESLEEEIRFL RKIHEEEVRE LQEQLARQQV HVELDVAKPD LTAALKEIRT            QYEAMASSNM HEAEWYRSK FADLTDAAR NAELLRQAKH EANDYRRQLQ SLTCDLES LR            GTNESLERQM REQEERHVRE AASYQEALAR LEEEGQSLKD EMARHLQEYQ DLLNVKLALD            IEIATYRKLL EGEENRITIP VQTFSNLQIR ETSLDTKSVS EGHLKRNIVV KTVEMRDGEV            IKESKQEHKD VM</p> <p><b>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.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

## 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	made-to-order

## Target Details

Target:	GFAP
Alternative Name:	GFAP ( <a href="#">GFAP Products</a> )
Background:	Glial fibrillary acidic protein (GFAP),FUNCTION: GFAP, a class-III intermediate filament, is a cell-specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells.
Molecular Weight:	49.9 kDa
UniProt:	<a href="#">P14136</a>

## Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

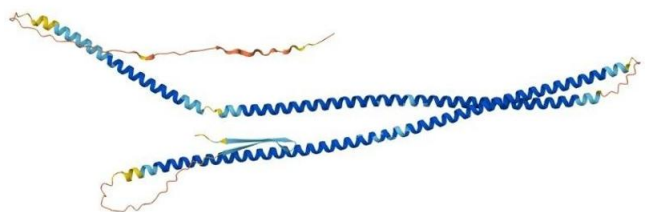
Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

Images



Protein Structure

**Image 1.** AlphaFold protein structure prediction of Human Recombinant GFAP Protein, UniprotID P14136



Protein Structure

**Image 2.** AlphaFold protein structure prediction of Human Recombinant GFAP Protein, UniprotID P14136





### Protein Structure

**Image 3.** AlphaFold protein structure prediction of Human Recombinant GFAP Protein, UniprotID P14136

