

Datasheet for ABIN7557809

## SPR Protein (AA 1-261) (His tag)



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### Overview

Quantity:	1 mg
Target:	SPR
Protein Characteristics:	AA 1-261
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPR protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Spr Protein expressed in mammalien cells.
Sequence:	<p>MEADGLGCAV CVLTGASRGF GRALAPQLAR LLSPGSVMLV SARSESMLRQ LKEELGAQQP</p> <p>DLKVVLAAD LGTEAGVQRL LSAVRELPRP EGLQRLLIN NAATLGDVSK GFLNVNDLAE</p> <p>VNNYWALNLT SMLCLTSGTL NAFQDSPGLS KTVVNISSLC ALQPYKGWGL YCAGKAARDM</p> <p>LYQVLAAEEP SVRVLSYAPG PLDNDMQQLA RETSKDPELR SKLQKLKSDG ALVDCG TSAQ</p> <p>KLLGLLQKDT FQSGAHVDFY D <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>
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 mammalien 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: SPR

Alternative Name: Spr ([SPR Products](#))

Background: Sepiapterin reductase (SPR) (EC 1.1.1.153),FUNCTION: Catalyzes the final one or two reductions in tetra-hydrobiopterin biosynthesis to form 5,6,7,8-tetrahydrobiopterin.

Molecular Weight: 27.9 kDa

UniProt: [Q64105](#)

Pathways: [Regulation of Systemic Arterial Blood Pressure by Hormones](#), [Feeding Behaviour](#), [Smooth Muscle Cell Migration](#)

## 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