

Datasheet for ABIN7552425
SAG Protein (AA 1-405) (His tag)



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Overview

Quantity:	1 mg
Target:	SAG
Protein Characteristics:	AA 1-405
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SAG protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SAG Protein expressed in mammalian cells.
Sequence:	MAASGKTSKS EPNHVIFKKI SRDKSVTIYL GNRDYIDHVS QVQPVDGVVL VDPDLVKGKK VYVTLTCAFR YGQEDIDVIG LTFRRDLYFS RVQVYPPVGA ASTPTKLQES LLKKLGSNTY PFLFTFPDYL PCSVMLQPAP QDSGKSCGVD FEVKAFATDS TDAEEDKIPK KSSVRLIRK VQHAPLEMGP QPRAEAAWQF FMSDKPLHLA VSLNKEIYFH GEPIPVTVTV TNNTEKTVKK IKAFVEQVAN VVLYSSDYV KPVAMEEAQE KVPPNSTLTK TLTLPLLAN NRERRGIALD GKIKHEDTNL ASSTIIKEGI DRTVLGILVS YQIKVKLTVS GFLGELTSSE VATEVPFRLM HPQPEDPAKE SYQDANLVFE EFARHNLKDA GEAEEGKRDK NDVDE 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.
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:

Key Benefits:

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

SAG

Alternative Name:

SAG ([SAG Products](#))

Background:

S-arrestin (48 kDa protein) (Retinal S-antigen) (S-AG) (Rod photoreceptor arrestin),FUNCTION: Binds to photoactivated, phosphorylated RHO and terminates RHO signaling via G-proteins by competing with G-proteins for the same binding site on RHO (By similarity). May play a role in preventing light-dependent degeneration of retinal photoreceptor cells (PubMed:9565049). {ECO:0000250|UniProtKB:P08168, ECO:0000305|PubMed:9565049}.

Molecular Weight:

45.1 kDa

UniProt:

[P10523](#)

Pathways:

[Regulation of G-Protein Coupled Receptor Protein Signaling](#)

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.

Application Details

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