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## Datasheet for ABIN1473971 **SAG Protein (AA 1-403) (His tag)**

### Overview

Quantity:	1 mg
Target:	SAG
Protein Characteristics:	AA 1-403
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This SAG protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MAACVKTNKS HVIFKKVSRD KSVTIYLGKR DYIDHVSQVE PVDGWWLVDP ELVKGKKVYV TLTCAFRYGQ EDIDVIGLTF RRDLYFSRVQ VYPPVGAMSA PTQLQLSLLK KLGDNTPFL LTFPDYLPSC VMLQPAPQDV GKSCGVDFEV KAFATDITDA EEDKIPKKSS VRLIRKVQH APPEMGPQPC AEASWQFFMS DKPLHLSVSL SKEIYFHGEP IPVTVTVTNN TEKVVKKIKV SVEQIANVVL YSSDYVVKPV ASEETQEKVQ PNSTLTKTLV LVPLLANNRE RRGIALDGKI KHEDTNLASS TIIKEGIDRT VMGILVSYHI KVCLTVSGFL GELTSSEVAT EVPFRLMHPQ PEDPAKESVQ DENLVFEEFA RQNLKDTGEN TEGKKDEDAG QDE
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

## Target Details

Target:	SAG
Alternative Name:	S-arrestin (Sag) ( <a href="#">SAG Products</a> )
Background:	Recommended name: S-arrestin. Alternative name(s): 48 kDa protein Retinal S-antigen. Short name= S-AG Rod photoreceptor arrestin
UniProt:	<a href="#">P15887</a>
Pathways:	<a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a>

## Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.