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Datasheet for ABIN1621064 SAG Protein (AA 1-405) (His tag)



Overview	
Quantity:	1 mg
Target:	SAG
Protein Characteristics:	AA 1-405
Origin:	Dog
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This SAG protein is labelled with His tag.
Application:	ELISA
Product Details	
Sequence:	MAASGKTSKS ASNHVIFKKI SRDKSVTIYL GKRDYIDHVE QVEPVDGIVL VDPELVKGKK
	VYVSLTCAFR YGQEDIDVIG LSFRRDLYFS QVQVFPPVEA AGAPTKLQES LMKKLGGNTY
	PFLLTFPDYL PCSVMLQPAP QDMGKCCGVD FEVKAFARDS TEDEEDKVPK KSSVRLLIRK
	VQHAPSKMGP QPRAEAAWQF FMSDKPLHLA VSLSKEIYFH GEPITVTVTV TNNTEKTVKK
	IKALVEQVAN VVLYSSDYYT KPVAQEETQE KVPPNSTLTT TLTLVPLLAN NRERRGIALD
	GKIKHEDTNL ASSTIIKEGI DRTVLGILVS YHIKVKLTVS GFLGELTSSE VATEVPFRLM
	HPQPEDPATA KESFQDANLV FEEFARQNLK DFAEEGKKDR EAMDE
Specificity:	Canis familiaris (Dog) (Canis lupus familiaris)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien
	cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

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Target Details

Target:	SAG
Alternative Name:	S-arrestin (SAG) (SAG Products)
Background:	Recommended name: S-arrestin. Alternative name(s): 48 kDa protein Retinal S-antigen. Short name= S-AG Rod photoreceptor arrestin
UniProt:	Q28281
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling

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 modificated 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.

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