

Datasheet for ABIN7556227
SAE1 Protein (AA 1-350) (His tag)



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Overview

Quantity:	1 mg
Target:	SAE1
Protein Characteristics:	AA 1-350
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SAE1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Sae1 Protein expressed in mammalian cells.
Sequence:	MVEKEEAGGG GGGGISEEEA AQYDRQIRLW GLEAQKRLRA SRVLIVGMKG LGAEIAKNLI LAGVKGLTML DHEQVSPEDP GAQFLIQTGS VGRNRAEASL ERAQNLNPMV DVKVDTEDVE KKPESFFTKF DAVCLTCCSR DVIKVDQIC HRNSIKFFTG DVFGYHGYTF ANLGEHEFVE EKTKVAKVSQ GVEDGPEAKR AKLDSSETTM VKKKVLFPCV KEALEVDWSG EKAKAALKRT APDYFLLQVL LKFRTDKGRD PTSESYKEDA ELLLQIRNDV FDSLGISPDLPDDFVRYCF SEMAPVCAVV GGILAQEIVK ALSQRDPPHN NFFFFDGMKG SGIVECLGPQ 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.
Characteristics:	Key Benefits:

Product Details

- 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:	SAE1
Alternative Name:	Sae1 (SAE1 Products)
Background:	SUMO-activating enzyme subunit 1 (Ubiquitin-like 1-activating enzyme E1A) [Cleaved into: SUMO-activating enzyme subunit 1, N-terminally processed],FUNCTION: The heterodimer acts as an E1 ligase for SUMO1, SUMO2, SUMO3, and probably SUMO4. It mediates ATP-dependent activation of SUMO proteins followed by formation of a thioester bond between a SUMO protein and a conserved active site cysteine residue on UBA2/SAE2 (By similarity). {ECO:0000250}.
Molecular Weight:	38.6 kDa
UniProt:	Q9R1T2

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