

[Go to Product page](#)

Datasheet for ABIN1666771

**Aminoglycoside Resistance Protein (AACA-APHD) (AA 1-479)
protein (His tag)**

Overview

Quantity:	1 mg
Target:	Aminoglycoside Resistance Protein (AACA-APHD)
Protein Characteristics:	AA 1-479
Origin:	Staphylococcus aureus
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	ELISA

Product Details

Sequence:	MNIVENEICI RTLIDDDFPL MLKWLTDERV LEFYGGRDKK YTLESKKHY TEPWEDEVFR VIIYNNVPI GYGQIYKMYD ELYTDYHYPK TDEIVYGMDQ FIGEPNYWSK GIGTRYIKLI FEFLKKERNA NAVILDPHKN NPRAIRAYQK SGFRIEDLP EHELHEGKKE DCYLMERYD DNATNVKAMK YLIEHYFDNF KVDSIEIGS GYDSVAYLVN NEYIFKTKFS TNKKKGYAKE KAIYNFLNTN LETNVKIPNI EYSYISDELS ILGYKEIKGT FLTPEIYSTM SEEEQNLLKR DIASFLRQMH GLDYTDISEC TIDNKQNVLE EYILLRETIY NDLTDIEKDY IESFMERLNA TTVFEGKKCL CHNDFSCNHL LLDGNNRLTG IIDFGDSGII DEYCDFIYLL EDSEEEIGTN FGEDILRMYG NIDIEKAKEY QDIVEEYPI ETIVYGIKNI KQEFIENGRK EYKRKYKD
Specificity:	Staphylococcus aureus (strain Mu50 / ATCC 700699)
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.

Product Details

Purity: > 90 %

Target Details

Target: Aminoglycoside Resistance Protein (AACA-APHD)

Alternative Name: Bifunctional AAC/APH (aacA-aphD) ([AACA-APHD Products](#))

Background: Recommended name: Bifunctional AAC/APH Including the following 2 domains: 6'-aminoglycoside N-acetyltransferase.

EC= 2.3.1.-.

Alternative name(s): AAC(6') 2"-aminoglycoside phosphotransferase.

EC= 2.7.1.-.

Alternative name(s): APH(2")

UniProt: [P0A0C0](#)

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

Handling

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.