

Product datasheet

Recombinant *Aeromonas salmonicida* OmpA protein ab68485

Description

<b>Product name</b>	Recombinant <i>Aeromonas salmonicida</i> OmpA protein
<b>Biological activity</b>	The interaction of bacterial and recombinant A-layer protein with murine macrophages was directed at determining the effect of A-protein on intracellular events that occur in primed macrophages. This was accomplished by measuring the cytotoxic product produced by peritoneal macrophages when exposed to A-protein coated latex beads. Thioglycolate elicited macrophages exhibited a low level of activation (18% cytotoxicity) that was significantly increased (48% cytotoxicity) in the presence of latex beads. Coating of the latex beads with each of the three A-protein products resulted in an increase of cytotoxicity (mean +/- SEM) from 48% to 91%.
<b>Purity</b>	> 95 % SDS-PAGE. ab68485 was purified by proprietary chromatographic techniques. Purity is greater than 98.0% as determined by analysis by RP-HPLC and SDS-PAGE .
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	<i>Aeromonas salmonicida</i>
<b>Sequence</b>	mdwispndn tfvttslasv tkqpvlfst aqqnltnfs evgdlnngf ivleiqgegq fndaeirqwl sngfwrpft gllvnpndhg nfansgeynd vrkffkiisd gtqltivhti dsngkrlrla lasdveetin fadaevelkl nlanqafkl sgsqgtvalt agalwnasyt adpvatkplf klglkqlsl tnagkatalv segflknig danisatdfa itrvttnqti qrdkvnltt gdvsafkkda ngnlvnkaga sigwkaaadg qsatavigag nmaggvqnal aafgtlyvaa dntvpvavn fnvkaeiqgd sqatynyfkd eladliltr dgmkfdtitt gtsanlihi rdvsnilpte ggkifvtite yadhaangrg egtvivrka lsvtlpsgga vtlkpadvaa dvgasitagr qarlvevet nqgevavkks naegvdiqng trgtaplvdv tl
<b>Predicted molecular weight</b>	48 kDa

Specifications

Our [Abpromise guarantee](#) covers the use of **ab68485** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** Functional Studies

SDS-PAGE

**Form** Lyophilised

---

## Preparation and Storage

**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

The protein was lyophilized in presence of NaHCO<sub>3</sub> at 2:1 protein:salt ratio.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

**Reconstitution** Reconstitute in sterile 0.4% NaHCO<sub>3</sub>. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

---

## General Info

**Relevance** *Aeromonas salmonicida* is the causative agent of goldfish ulcer disease. Virulence of this bacterium is associated with the production of a paracrystalline outer membrane A-layer protein also known as OmpA. This protein comes from the gene for the monomeric form of OmpA from achromogenic atypical *Aeromonas salmonicida*.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

---

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

---

## Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors