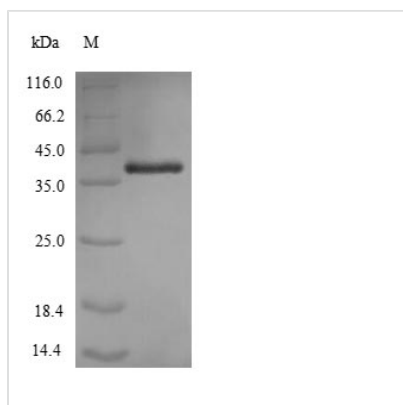




# Recombinant Acinetobacter baumannii Outer membrane protein Omp38 (omp38)

<b>Product Code</b>	CSB-YP387720AUD
<b>Relevance</b>	Porin. Induces apoptosis in human cells through caspases-dependent and AIF-dependent pathways. Purified Omp38 enters the cells and localizes to the mitochondria, which leads to a release of proapoptotic molecules such as cytochrome c and AIF (apoptosis-inducing factor) (By similarity).
<b>Abbreviation</b>	Recombinant Acinetobacter baumannii omp38 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	A3M8K2
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Acinetobacter baumannii (strain ATCC 17978 / CIP 53.77 / LMG 1025 / NCDC KC755 / 5377)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	ANAGVTVTPLLLGYTFQDSQHNNGGKDGNTNGPELQDDLFVGAALGIELTP WLGFEAEYNQVKGDVDGASAGAEYKQKQINGNFYVTSDLITKNYDSKIKPYVL LGAGHYKYDFDGVNRGTRGTSEEGTLGNAGVGAFWRLNDALSLRTEARATY NADEEFWNYTALAGLNVVLGGHLKPAAPVVEVAPVEPTPVTPQPQELTEDLN MELRVFFDTNKSNIKDQYKPEIAKVAEKLSEYPNATARIEGHTDNTGPRKLNER LSLARANSVKSA LVNEYNVDASRLSTQGFAWDQPIADNKTKEGRAMNRRVFA TITGSRTVVVQPGQEAAAAPAAAQ
<b>Research Area</b>	Others
<b>Source</b>	Yeast
<b>Target Names</b>	omp38
<b>Protein Names</b>	Recommended name: Outer membrane protein Omp38
<b>Expression Region</b>	20-356aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	38.5kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

A truncated version of *Acinetobacter baumannii* outer membrane protein Omp38 lacking the 1-19 amino-acid signal peptide of the C-terminus and carrying a 6xHis-tag at the N-terminus was produced in the yeast. The resulting protein is a full-length of mature Omp38 protein. It contains aa of 20-356 of the *Acinetobacter baumannii* Omp38 protein. It was purified by SDS-PAGE and reached up to 90% in purity. On the reducing SDS-PAEG gel, this Omp38 protein migrated on the molecular weight band of about 40 kDa. The result is slightly higher than that of the calculated one due to glycosylation. This recombinant Omp38 protein may be used to generate specific antibodies against Omp38 or in the studies of *Acinetobacter baumannii* infections.

The *Acinetobacter baumannii* outer membrane protein Omp38, also known as OmpA, is the most abundant surface protein that is responsible for the viral pathogenicity. As a virulence factor, Omp38 is involved in the modulation of adhesion, aggressiveness, and biofilm formation of *Acinetobacter baumannii*, antibiotic resistance, and the immune reaction of the host. Omp38 has been described as a powerful immunogen to trigger immune responses. It is a potential therapeutic target for the treatment of *Acinetobacter baumannii* infections.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

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