

## Outer membrane protein Omp38, Acinetobacter baumannii, Recombinant (His &amp; Myc)

## General Information

Synonyms:	ompA;Outer membrane protein Omp38;omp38;Outer membrane protein OmpAb;Outer membrane protein OmpA (AbOmpA)
Protein Construction:	20-356 aa
Species:	Acinetobacter baumannii
Expression Host:	E. coli
Accession:	Q6RYW5
Molecular Weight:	44.0 kDa (predicted)
AA Sequence:	ANAGVTVTPLLLGYTFQDSQHNNGGKDGNLNNGPELQDDLFGAALGIELTPWLGFEAEYNQVKGDDVDGAS AGAAYKQKQINGNFYVTSDLITKNYDSKIKPYVLLGAGHYKYDFDGVNRGTRGTSEEGTLGNAGVGFWRNLN DALSLRTEARATYNADDEEFWNYTALAGLNVLGGHLKPAAPVVEVAPVEPTPVAPQPQELTEDLNEMELRVFF DTNKSNIKDQYKPEIAKVAEKLSEYPNATARIEGHTDNTGPRKLNRLSLARANSVKSALVNEYNVSDASRLST QGFQAWDQPIADNKTKEGRAMNRRVFATITGSRTVVVQPGQEAAAPAAAQ

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

## Preparation and Storage

## Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

## A DRUG SCREENING EXPERT

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Functions as a porin. Induces apoptosis in human cell lines through caspase-dependent and AIF-dependent pathways. Purified Omp38 enters host cell and localizes to the mitochondria, which presumably leads to a release of proapoptotic molecules such as cytochrome c and AIF (apoptosis-inducing factor). Binds peptidoglycan, contributes to cell wall maintenance (Probable).

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