

## Efflux pump membrane transporter Protein, *Acinetobacter baumannii* (Cell-Free, His)

Cat. No.:	HY-P702268
Synonyms:	Efflux pump membrane transporter
Species:	Others
Source:	E. coli Cell-free
Accession:	D0C764 (M1-S1036)
Gene ID:	/
Molecular Weight:	114.2 kDa

### PROPERTIES

#### AA Sequence

MMSQFFIRRP	VFAWVIAIFI	IIFGLLSIPK	LPIARFPSVA
PPQVNISATY	PGATAKTIND	SVVTLIEREL	SGVKNLLYYS
ATTDTSGTAE	ITATFKPGTD	VEMAQVDVQN	KIKAVEARLP
QVVRQQGLQV	EASSSGFLML	VGINSPNNQY	SEVDLSDYLV
RNVVEELKRV	EGVGKVSFG	AEKAMRIWVD	PNKLVSYGLS
ISDVNNAIRE	NNVEIAPGRL	GDLPAEKGQL	ITIPLSAQQQ
LSSLEQFKNI	SLKSKTNGSV	IKLSDVANVE	IGSQAYNFAI
LENGKPATAA	AIQLSPGANA	VKTAEGVRAK	IEELKLNLP
GMEFSIPYDT	APFVKISIEK	VIHTLLEAMV	LVFIVMYLFL
HNVRYTLIPA	IVAPIALLGT	FTVMLLAGFS	INVLTMFGMV
LAIGIIVDDA	IVVVENVERI	MATEGLSPKD	ATSKAMKEIT
SPIIGITLVL	AAVFLPMAFA	SGSVGVIYKQ	FTLTMSVSI
FSALLALILT	PALCATILKP	IDGHHQKKGF	FAWFDRSFDK
VTKKYELMLL	KIIKHTVPM	VIFLVITGIT	FAGMKYWPTA
FMPEEDQGW	MTSFQLPSDA	TAERTRNVDN	QFENNLDKDP
DVKSNTTILG	WGFSGAGQNV	AVAFITLTKDF	KERTSSASKM
TSDVNTSMAN	STEGETMAVL	PPAIDELGTF	SGFSLRLQDR
ANLGMALLA	AQDELMAMAA	KNKKFYMVWN	EGLPQGDNIS
LKIDREKLSA	LGVKFSDVSD	IISTSMGSMY	INDFPNQGRM
QQVIVQVEAK	SRMQLKDILN	LKVMGSSGQL	VSLSEVVTPO
WNKAPQQYNR	YNGRPSLSIA	GIPNFDTSSG	EAMREMEQLI
AKLPKGI GYE	WTGISLQEKQ	SESQMAFLLG	LSMLVVFLVL
AALYESWAIP	LSVMLVPLG	IFGAI IAIMS	RGLMNDVFFK
IGLITIIIGLS	AKNAI LIVEF	AKMLKEEGMS	LIEATVAAAK
LRLRPILMTS	LAFTCGVIPL	VIASGASSET	QHALGTGVFG
GMISATILAI	FFVPVFFIFI	LGAVEKLFSS	KKKISS

#### Appearance

Lyophilized powder.

#### Formulation

Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

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<b>Endotoxin Level</b>	<1 EU/μg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

## DESCRIPTION

### Background

The Efflux pump membrane transporter Protein is a member of the resistance-nodulation-cell division (RND) (TC 2.A.6) family, indicating its integral role in facilitating the efflux of various substrates across cellular membranes. As part of this family, the efflux pump membrane transporter shares conserved structural and functional features with related proteins, emphasizing its significance in cellular transport processes. The classification within the RND family underscores its specific role within the broader context of efflux pumps, offering insights into its unique mechanisms and substrate specificity. The study of the Efflux pump membrane transporter Protein contributes to our understanding of its functions in cellular defense and resistance, providing potential applications in therapeutic interventions and a deeper comprehension of its broader impact on cellular processes involved in substrate efflux. Further exploration of its role within the RND family holds promise for enhancing our knowledge of its contributions to bacterial physiology and antimicrobial resistance.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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