

# Cryo-electron Microscopic Structure of SecA Protein B

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Multitasking SecB chaperones in bacteria. <i>Frontiers in Microbiology</i> , 2014, 5, 666.	1.5	65
2	SecA-mediated targeting and translocation of secretory proteins. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 1466-1474.	1.9	76
3	Channel crossing: how are proteins shipped across the bacterial plasma membrane?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20150025.	1.8	53
4	SecA Drives Transmembrane Insertion of RodZ, an Unusual Single-Span Membrane Protein. <i>Journal of Molecular Biology</i> , 2015, 427, 1023-1037.	2.0	28
5	Cryo-EM structure of the large subunit of the spinach chloroplast ribosome. <i>Scientific Reports</i> , 2016, 6, 35793.	1.6	35
6	SecA mediates cotranslational targeting and translocation of an inner membrane protein. <i>Journal of Cell Biology</i> , 2017, 216, 3639-3653.	2.3	31
7	SecA – a New Twist in the Tale. <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	8
8	Protein secretion in <i>Corynebacterium glutamicum</i> . <i>Critical Reviews in Biotechnology</i> , 2017, 37, 541-551.	5.1	20
9	Protein export through the bacterial Sec pathway. <i>Nature Reviews Microbiology</i> , 2017, 15, 21-36.	13.6	332
10	Dissecting structures and functions of SecA-only protein-conducting channels: ATPase, pore structure, ion channel activity, protein translocation, and interaction with SecYEG/SecDF $\epsilon$ YajC. <i>PLoS ONE</i> , 2017, 12, e0178307.	1.1	3
11	Recombinant Protein Expression System in <i>Corynebacterium glutamicum</i> and Its Application. <i>Frontiers in Microbiology</i> , 2018, 9, 2523.	1.5	37
12	Structures of <i>Mycobacterium smegmatis</i> 70S ribosomes in complex with HPF, tmRNA, and P-tRNA. <i>Scientific Reports</i> , 2018, 8, 13587.	1.6	37
13	Co-translational protein targeting in bacteria. <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	74
14	The way is the goal: how SecA transports proteins across the cytoplasmic membrane in bacteria. <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	64
15	SecA inhibitors as potential antimicrobial agents: differential actions on SecA-only and SecA-SecYEG protein-conducting channels. <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	16
16	Molecular Mimicry of SecA and Signal Recognition Particle Binding to the Bacterial Ribosome. <i>MBio</i> , 2019, 10, .	1.8	20
17	The molecular mechanism of cotranslational membrane protein recognition and targeting by SecA. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 919-929.	3.6	25
18	Protein Transport Across the Bacterial Plasma Membrane by the Sec Pathway. <i>Protein Journal</i> , 2019, 38, 262-273.	0.7	30

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19	Direct visualization of the <i>E. coli</i> Sec translocase engaging precursor proteins in lipid bilayers. <i>Science Advances</i> , 2019, 5, eaav9404.	4.7	19
20	Timing and specificity of cotranslational nascent protein modification in bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23050-23060.	3.3	15
21	Substrate Proteins Take Shape at an Improved Bacterial Translocon. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	2
22	The Preprotein Binding Domain of SecA Displays Intrinsic Rotational Dynamics. <i>Structure</i> , 2019, 27, 90-101.e6.	1.6	12
23	Mechanisms of Cotranslational Maturation of Newly Synthesized Proteins. <i>Annual Review of Biochemistry</i> , 2019, 88, 337-364.	5.0	138
24	Trigger factor is a bona fide secretory pathway chaperone that interacts with SecB and the translocase. <i>EMBO Reports</i> , 2020, 21, e49054.	2.0	30
25	Refined measurement of SecA-driven protein secretion reveals that translocation is indirectly coupled to ATP turnover. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31808-31816.	3.3	27
26	Cotranslational folding of alkaline phosphatase in the periplasm of <i>Escherichia coli</i> . <i>Protein Science</i> , 2020, 29, 2028-2037.	3.1	9
27	Novel Sequence Feature of SecA Translocase Protein Unique to the Thermophilic Bacteria: Bioinformatics Analyses to Investigate Their Potential Roles. <i>Microorganisms</i> , 2020, 8, 59.	1.6	6
28	<i>Corynebacterium glutamicum</i> as a robust microbial factory for production of value-added proteins and small molecules: fundamentals and applications. , 2021, , 235-263.		5
29	How Quality Control Systems AID Sec-Dependent Protein Translocation. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 669376.	1.6	5
30	Cellular dynamics of the SecA ATPase at the single molecule level. <i>Scientific Reports</i> , 2021, 11, 1433.	1.6	17
31	The C-terminal tail of the bacterial translocation ATPase SecA modulates its activity. <i>ELife</i> , 2019, 8, .	2.8	9
32	Novel Antibacterial Targets in Protein Biogenesis Pathways. <i>ChemBioChem</i> , 2022, 23, .	1.3	2
34	Nascent SecM chain interacts with outer ribosomal surface to stabilize translation arrest. <i>Biochemical Journal</i> , 2020, 477, 557-566.	1.7	4
35	Topology of the SecA ATPase Bound to Large Unilamellar Vesicles. <i>Journal of Molecular Biology</i> , 2022, 434, 167607.	2.0	6