



PROTEIN EXPORT

Sec dependent pathway

Prokaryotic type

Translocation channel and related proteins

SecY	SecE	SecG
SecD/F	YajC	
YidC		
SecA	SecB	SecM

SRP

Ffh	Ffs
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SRP receptor

FtsY

Eukaryotic type

SEC61 α	SEC61 β	SEC61 γ
SEC62	SEC63	
BiP		

SRP9	SRP72	SRP19	RN7SL
SRP14	SRP68	SRP54	

SRPR
SRPRB

GET (guided entry of tail-anchored protein) pathway

Targeting factor

GET3	GET4	GET5	BAG6	SGTA
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Membrane receptor

GET1	GET2
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SND (SRP-Independent) pathway

Targeting factor

SND1

Membrane receptor

SND2	SND3
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TAT (twin-arginine translocation) system

Prokaryotic type

TatA	TatB	TatC
TatE		

Signal peptidase

Prokaryotic type

SPase I	SPase II
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Eukaryotic type

SPCS1	SPCS2	SPCS3	SEC11
IMP1	IMP2		

