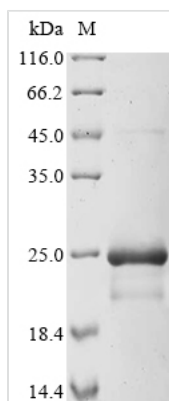




# Recombinant Escherichia coli Heat-stable enterotoxin A2 (sta2)

<b>Product Code</b>	CSB-EP670621ENL
<b>Abbreviation</b>	Recombinant E.coli sta2 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>	Q47185
<b>Storage Buffer</b>	Tris-based buffer,50% glycerol
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Escherichia coli
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Sequence</b>	NSSNYCCELCCNPACTGCY
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	sta2
<b>Protein Names</b>	Recommended name: Heat-stable enterotoxin A2 Short name= STA2
<b>Expression Region</b>	54-72aa
<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 10xHis-SUMO-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	18.1 kDa
<b>Protein Length</b>	Full Length of Mature Protein

## Image



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

## Description



In the general process of expressing the recombinant Escherichia coli sta2 protein, a plasmid encoding the Escherichia coli sta2 protein (54-72aa) is constructed first. The plasmid is transferred into e.coli cells, from which cells containing the plasmid are selected and cultured to express the protein. A N-terminal 10xHis-SUMO tag and C-terminal Myc tag is fused to the protein. The recombinant Escherichia coli sta2 protein undergoes affinity purification and SDS-PAGE analysis. This protein surpasses a purity level of 85%.

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