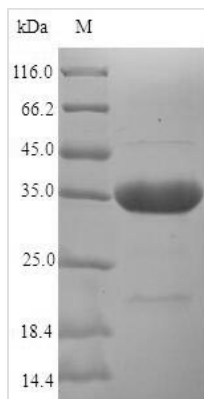




# Recombinant *Serratia marcescens* Hemophore HasA (hasA)

<b>Product Code</b>	CSB-EP684482SYN
<b>Relevance</b>	Can bind free heme and also acquire it from hemoglobin. Conveys heme from hemoglobin to the HasR receptor which releases it into the bacterium. HasR alone can take up heme but the synergy between HasA and HasR increases heme uptake 100-fold.
<b>Abbreviation</b>	Recombinant <i>Serratia marcescens</i> hasA 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>	Q54450
<b>Alias</b>	Heme acquisition system protein A
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Serratia marcescens</i>
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MAFSVNYDSSFGGYSIH DYLGQWASTFGDVNHTNGNVTDANSGGFYGGSLSGSQY AISSTANQVTA FVAGGNLT YTLFNEPAHTLYGQLDSL SFGDGLSGGDTSPYSIQVPDV SFGGLNLSSLQAQGH DGVVHQV VYGLMSGDTGALETALNGILDYGLSVNSTFDQVAAATAVG VQHADSPELLAA
<b>Research Area</b>	Microbiology
<b>Source</b>	E.coli
<b>Target Names</b>	hasA
<b>Protein Names</b>	Recommended name: Hemophore HasA Alternative name(s): Heme acquisition system protein A
<b>Expression Region</b>	1-188aa
<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 6xHis-SUMO-tagged
<b>Mol. Weight</b>	35.3kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



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

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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