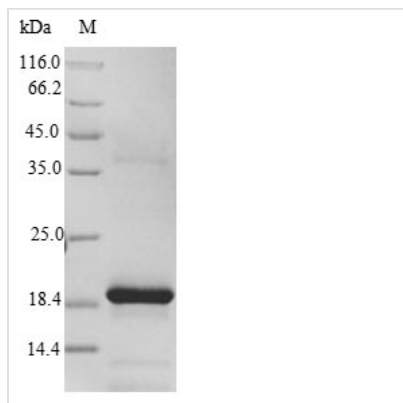




# Recombinant Rat Frataxin, mitochondrial (Fxn)

<b>Product Code</b>	CSB-EP009086RAe1
<b>Relevance</b>	Promotes the biosynthesis of heme and assembly and repair of iron-sulfur clusters by delivering Fe <sup>2+</sup> to proteins involved in these pathways. May play a role in the protection against iron-catalyzed oxidative stress through its ability to catalyze the oxidation of Fe <sup>2+</sup> to Fe <sup>3+</sup> ; the oligomeric form but not the monomeric form has in vitro ferroxidase activity. May be able to store large amounts of iron in the form of a ferrihydrite mineral by oligomerization. Modulates the RNA-binding activity of ACO1
<b>Abbreviation</b>	Recombinant Rat Fxn 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>	D3ZYW7
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	LHVTANADAIRHSHLNLHYLGQILNIKKQSVCVVHLRNSGTLGNPSSLDETAYE RLAEETLDALAEFFEDLADKPYTLKDYDVSFGDGVLTIKLGGDLGTYVINKQTP LLYLWFSGPCSGPKRYDWTGKNWVYSHDGVSLHELLARELTEALNTKLDLSS LAYSCKGT
<b>Research Area</b>	Tags & Cell Markers
<b>Source</b>	E.coli
<b>Target Names</b>	Fxn
<b>Expression Region</b>	41-208aa
<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>	Tag-Free
<b>Mol. Weight</b>	18.6kDa
<b>Protein Length</b>	Full Length of Mature Protein
<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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