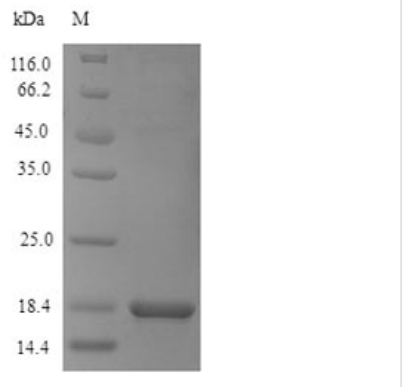
Recombinant Saccharomyces cerevisiae Dipeptidyl aminopeptidase A (STE13), partial

Product Code	CSB-EP339395SVG
Relevance	Responsible for the proteolytic maturation of the alpha-factor precursor.
Abbreviation	Recombinant Saccharomyces cerevisiae STE13 protein, partial
Storage	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.
Uniprot No.	P33894
Alias	YSCIV
Product Type	Recombinant Protein
Immunogen Species	Saccharomyces cerevisiae (strain ATCC 204508 / S288c) (Baker's yeast)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MSASTHSHKRKNSHLFPQRKSSNSSMDKPFFPNNDSVANTDPQSNENGHTINEIRPTEATIDVTDVPQTPFLQEQYSMRPRRESFQFNDIENQHHTHSFFSVNKFNRRWGEWSLPEKRS
Research Area	Others
Source	E.coli
Target Names	STE13
Expression Region	1-119aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	18.0kDa
Protein Length	Cytoplasmic Domain
Image	



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

Description	In the general approach to express the recombinant Saccharomyces cerevisiae (strain ATCC 204508 / S288c) STE13 protein, a plasmid encoding the Saccharomyces cerevisiae (strain ATCC 204508 / S288c) STE13 protein (1-119aa) is first constructed. The constructed plasmid is then introduced into e.coli cells. Plasmid-containing e.coli cells are screened and cultured under conditions that induce the protein expression. The protein is fused with a N-terminal 6xHis tag. Lysing the cultured cells and purifying the resulting recombinant STE13 protein through affinity purification. The SDS-PAGE analysis is conducted to confirm the presence of the recombinant STE13 protein and assess its purity. Its purity is over 90%.
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	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.