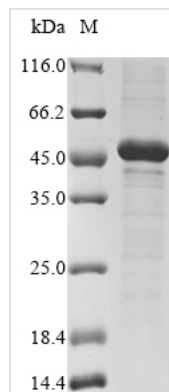




Recombinant Trypanosoma cruzi Cruzipain

Product Code	CSB-EP333107TQY
Abbreviation	Recombinant Trypanosoma cruzi Cruzipain protein
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.	P25779
Product Type	Recombinant Proteins
Immunogen Species	Trypanosoma cruzi
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	APAAVDWRARGAVTAVKDQGQCGSCWAFSAIGNVECQWFLAGHPLTNLSEQ MLVSCDKTDSGCSGGLMNNAFEWIVQENNGAVYTEDSYPTYASGEGISPPCTT SGHTVGATITGHVELPQDEAQIAAWLAVNGPVAVAVDASSWMTYTGGVMTSC VSEQLDHGVLLVGYNDAAVPYWIKNSTTQWGEEGYIRIAKGSNQCLVKEE ASSAVVGGPGPTPEPTTTTTTSAPGPSYFVQMSCTDAACIVGCENVTLPTG QCLLTSGVSAIVTCGAETLTTEEVLSTHCSGPSVRSSVPLNKCNRLLRGSVE FFCGSSSSGRLADVDRQRRHQPYHSRHRRL
Research Area	Others
Source	E.coli
Target Names	N/A
Protein Names	Recommended name: Cruzipain EC= 3.4.22.51 Alternative name(s): Cruzaine Major cysteine proteinase
Expression Region	123-467aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	43.9 kDa
Protein Length	Full Length of Mature Protein
Image	



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

Description

Enhance your study on parasitic diseases with our Recombinant *Trypanosoma cruzi* Cruzipain. This product features the protein Cruzipain, also known as Cruzaine, the major cysteine proteinase in *Trypanosoma cruzi*. The enzyme plays a crucial role in the life cycle of the parasite, especially in its interactions with host organisms, making it a fascinating target for parasitology and infectious disease research.

This recombinant Cruzipain covers the full length of the mature protein, specifically the amino acid region from 123-467. It is expressed in *E.coli* and carries N-terminal 10xHis and C-terminal Myc tags, facilitating convenient purification and detection. The Recombinant *Trypanosoma cruzi* Cruzipain shows a purity greater than 85% as determined by SDS-PAGE, ensuring the high quality of the protein. It comes in either a liquid form or a lyophilized powder, adaptable to your experimental needs. This product opens up possibilities for further understanding the pathogenesis of Chagas disease and the exploration of potential therapeutic targets.

Shelf Life

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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.