

Cruzipain Protein, Trypanosoma cruzi, Recombinant (His & Myc)

General Information

Synonyms: Major cysteine proteinase;Cruzaine;Cruzipain

Protein Construction: 123-467 aa

Species: Trypanosoma cruzi

Expression Host: E. coli

Accession: P25779

Molecular Weight: 43.9 kDa (predicted)

AA Sequence: APAAVDWRARGAVTAVKDQGCQCGSCWAFSAIGNVECQWFLAGHPLTNLSEQMLVSCDKTDSGCSGGLMN
NAFEWIVQENNGAVYTEDSYPYASGEGISPPCTTSGHTVGATITGHVELPQDEAQIAAWLAVNGPVAVAVDA
SSWMTYTGGVMTSCVSEQLDHGVLLVGYNDSAAVPYWIKNSWTTQWGEEGYIRIAKGSNQCLVKEEASSA
VVGPGPTPEPTTTTTTTSAPGSPSYFVQMSCTDAACIVGCENVTLPTGQCLLTSGVSAIVTCGAETLTEEVFL
TSTHCSGPSVRSSVPLNKCNRLLRGSVEFFCGSSSSGRLADVDRQRRHQPYHSRHRRL

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Hydrolyzes chromogenic peptides at the carboxyl Arg or Lys; requires at least one more amino acid, preferably Arg, Phe, Val or Leu, between the terminal Arg or Lys and the amino-blocking group.; The cysteine protease may play an important role in the development and differentiation of the parasites at several stages of their life cycle.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481