

Human caspase-3 / CASP-3 (His Tag) recombinant protein



Catalog Number: 502209

General Information

Gene Name Synonym

Caspase-3 subunit p17; Caspase-3 subunit p12

Protein Construction

A DNA sequence encoding the mature form of human caspase3 (Q5IS54) (Ser29-His277) was expressed with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

E. coli

QC Testing

Activity

Measured by its ability to cleave the fluorogenic peptide substrate Ac-DEVD-AFC.
The specific activity is > 5000 pmoles/min/μg.

Purity

(48.4+48.1) % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

Molecular Mass

The recombinant human caspase3 consists of 259 amino acids and predicts a molecular mass of 29.9 KDa. It migrates as an approximately 17 and 15 KDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM HEPES, 100mM NaCl, 1mM EDTA, 10% Sucrose, 0.1% chaps, pH 7.5.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

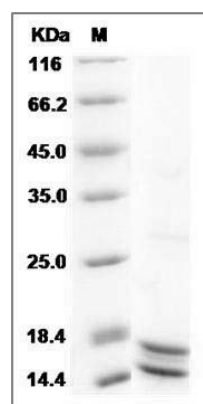
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human CASP3 / Caspase-3 / CASP-3 Protein (His Tag) SDS-PAGE