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

Catalog Number: 10050-H08E

**General Information**

**Gene Name Synonym:**
CPP32; CPP32B; SCA-1

**Protein Construction:**
A DNA sequence encoding the mature form of human caspase3 (Q5554) (Ser29-His277) was expressed with a polyhistidine tag at the C-terminus.

**Source:** Human

**Expression Host:** E. coli

**QC Testing**

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

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

**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.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

**Usage Guide**

**Storage:**
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

**Reconstitution:**
Detailed reconstitution instructions are sent along with the products.

**SDS-PAGE:**

[Image of SDS-PAGE gel]

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