

Recombinant Human CASP3, His tagged

Cat. No. CASP3-342H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CASP3 mature form (Q5IS54) (Ser29-His277), fused with a polyhistidine tag at the C-terminus, was produced in E. coli.
Species	Human
Source	E.coli
ProteinLength	29-277 a.a.
Predicted N Terminal	Met
Form	Lyophilized from sterile 20mM HEPES, 100mM NaCl, 1mM EDTA, 10% Sucrose, 0.1% chaps, pH 7.5. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
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.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	(48.4+48.1) % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.

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Storage

Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION
Gene Name

CASP3 caspase 3, apoptosis-related cysteine peptidase [Homo sapiens]

Official Symbol

CASP3

Gene ID

836

mRNA Refseq

NM_004346

Protein Refseq

NP_004337

MIM

600636

UniProt ID

P42574

**Chromosome
Location**

4q34

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