

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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