

## Product Information

### Recombinant Human CASP3, His tagged

#### Product Information

<b>Catalog#</b>	MK0065H
<b>Product Name</b>	Recombinant Human CASP3, His tagged
<b>Product Overview</b>	Recombinant Human CASP3 mature form (Q5IS54) (Ser29-His277), fused with a polyhistidine tag at the C-terminus, was produced in E. coli.
<b>Description</b>	Caspase-3, also known as CASP-3, is a member of the cysteine-aspartic acid protease (caspase) family. It is highly expressed in lung, spleen, heart, liver and kidney. Caspase-3 also can be detected in many cell lines. Caspase-3 is involved in the activation cascade of caspases responsible for apoptosis execution. At the onset of apoptosis it proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a '216-Asp- -Gly-217' bond. Caspase-3 also cleaves and activates sterol regulatory element binding protein
<b>Source</b>	E. coli
<b>Species</b>	Human
<b>Tag</b>	His
<b>Formulation</b>	Lyophilized from sterile 20mM HEPES, 100mM NaCl, 1mM EDTA, 10% Sucrose, 0.1% chaps, pH 7.5, 5%~8% trehalose and mannitol.
<b>Purity</b>	(48.4+48.1)% as determined by SDS-PAGE.
<b>Storage</b>	Store under sterile conditions at -20°C to -80°C. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	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.
<b>Molecular Mass</b>	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.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Endotoxin</b>	Less than 1.0 EU per µg as determined by the LAL method.
<b>Notes</b>	Research Use Only. Not for use in clinical procedures. Avoid repeated freeze-thaw cycles.