Recombinant Human Caspase-7/CASP7 Protein

RPCB0109

Product Information

Product SKU:	RPCB0109	**Gene ID**:	840	**Size**:	10µg
Tag:	C-His	**Reactivity**:	Human		

Additional Information

Expression Host:	E. coli	**Swissprot:**	P55210-1
Purity:	> 90% by SDS-PAGE.		

Protein Information

Background: Caspase-7/CASP7 belongs to the cysteine-aspartic acid protease (caspase) family. Caspases play a role in the signal transduction pathways of apoptosis, necrosis and inflammation. There are two major classes of caspases: initiators and effectors. The initiator isoformsare activated by, and interact with, upstream adaptor molecules through protein-protein interaction domains known as CARD and DED. Effector caspases are responsible for cleaving downstream substrates and are sometimes referred to as the executioner caspases. Caspase 7 exists in lung, skeletal muscle, liver, kidney, spleen, heart, and moderately in testis. Caspase 7 cannot be detected in the brain. Caspase 7 functions in the activation cascade of caspases responsible for apoptosis execution. It cleaves and activates sterol regulatory element binding proteins (SREBPs). It proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a '216-Asp- -Gly-217' bond. Overexpression promotes programmed cell death.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human Caspase-7/CASP7 Protein , tested reactivity inE. coliand has been validated in SDS-PAGE.100% guaranteed.

Endotoxin: < 0.01 EU/µg of the protein by LAL method.

Formulation: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Contact Details | Dublin, Ireland
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Storage: Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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