

## Product datasheet for TP302059

### Caspase-7 (CASP7) (NM\_033339) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human caspase 7, apoptosis-related cysteine peptidase (CASP7), transcript variant gamma, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202059 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MADEQGCIEEQGVEDSANEDSVDAKPDRSSFVPSLFSKKNVTMRSIKTTRDRVPTYQYNMNFELGKC IIINKNFDKVTGMGVRNGTDKDAEALFKCFRSLGFDVIVYNDSCAKMQDLLKASEEDHTNAACFACI LLSHGEENVYKDGVTPIKDLTAHFRGDRCKTLLEKPKLFFIQACRGTELDDGIQADSGPINDTDANPR YKIPVEADFLFAYSTVPGYYSWRSPGRGSWFVQALCSILEEHGKDLEIMQILTRVNDRVARHFESQSDDP HFHEKKQIPCWVSMMLTKELYFSQ
	<b>TR</b> TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	34.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_203125</a>
Locus ID:	840



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UniProt ID: [P55210](#)

RefSeq Size: 2681

Cytogenetics: 10q25.3

RefSeq ORF: 909

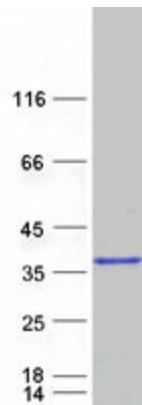
Synonyms: CASP-7; CMH-1; ICE-LAP3; LICE2; MCH3

**Summary:** This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. The precursor of the encoded protein is cleaved by caspase 3 and 10, is activated upon cell death stimuli and induces apoptosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012]

**Protein Families:** Druggable Genome, Protease

**Protein Pathways:** Alzheimer's disease, Apoptosis

### Product images:



Coomassie blue staining of purified CASP7 protein (Cat# TP302059). The protein was produced from HEK293T cells transfected with CASP7 cDNA clone (Cat# [RC202059]) using MegaTran 2.0 (Cat# [TT210002]).