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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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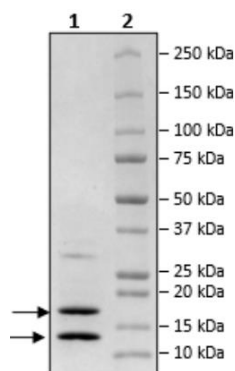
[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Information

Description:	Recombinant full length rat caspase-6, amino acids 1-277(end). This construct contains a C-terminal His-tag (6xHis). This protein was affinity purified.
Background:	Caspase-6 belongs to the cysteine protease family of proteins, and it is considered an effector (or executioner) caspase. Caspase-6 is involved in innate immunity and inflammasome activation. It mediates pyroptosis via gasdermin D and necroptosis. Dysregulation of its activity can lead to cancer, auto-immunity and neurodegenerative disorders. This protein can cleave huntingtin (HTT) and amyloid beta-precursor protein (APP), resulting in the protein aggregates that lead to Huntington's and Alzheimer's disease, respectively. Targeting caspase-6 is thus an attractive option in disorders that are characterized by abnormal cell death pathways.
Species:	Rat
Construct:	Caspase-6 (Rat) (1-277(end)-His)
Concentration:	1.13 mg/ml
Expression System:	<i>E. coli</i>
Purity:	≥90%
Format:	Aqueous buffer solution.
Formulated In:	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 20% glycerol, and 350 mM Imidazole
MW:	Small active subunit: 13 kDa; Large active subunit: 17 kDa
Genbank Accession:	NM_031775.3
Stability:	At least 6 months at -80°C.
Storage:	-80°C
Instructions for Use:	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Assay Conditions:	Assay was done according to Caspase-6 Homogeneous Assay Kit (#80703) with various amounts of Caspase6 (Rat), His-Tag Recombinant (#102318).
Applications:	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Control Data

4-20% SDS-PAGE Coomassie Staining



Caspase-6 (Rat) Activity

