

# Recombinant SUMO Protease Ulp1p, Animal Component-Free

Catalog Number: EXRP130-ACF

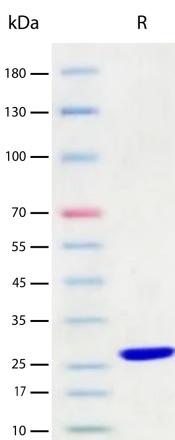
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**EXRE**protein™

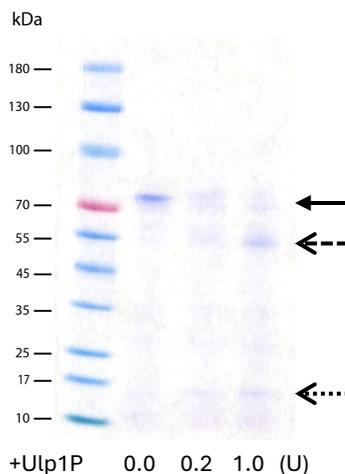
## Product Details

<b>Biological Activity</b>	<b>SUMO protease Ulp1p</b> is highly specific for cleaving SUMO protein fusions. It exhibits both high activity and specificity, making it a preferred choice for cleaving SUMO tags independently of the target protein's structure, leaving no additional amino acids at the N-terminus of the target protein. <b>Specific activity</b> is > 1x10 <sup>5</sup> Units/mg. One unit of SUMO Protease Ulp1p is the amount of enzyme required to cleave >90% of <b>20</b> µg of SUMO-tag fused protein at 30°C in one hour.
<b>Purity</b>	>98% by SDS-PAGE and quantitative densitometry by Coomassie® Blue staining
<b>Endotoxin</b>	<0.5 EU per 1 µg of the protein as determined by the LAL method
<b>Source</b>	Expressed in <i>E. coli</i> using an animal component-free system
<b>Accession Number</b>	Q02724
<b>Sequence</b>	Leu403-Lys621, with an N-terminal His-tag and a TEV cleavage site  Met_His6_TEV_LVPELNEKDDDDQVQKALASRENTQLMNRDNIETVRDFKTLAPRRWLNDTIIIEFFMKY IEKSTPNTVAFNSFFYTNLSESGYQGVRWRWMKRKKTQIDKLDKIFTPINLNQSHWALGIIDLKKTIGYV DSLNGPNAMSFALTDLQKYVMEESKHTIGEDFDLIHLDCPQQPNGYDCGIYVCMNTLYGSADAPLD FDYKDAIRMRRFIAHLILTALK
<b>Molecular Weight</b>	28 kDa (monomer, predicted)
<b>Storage and Preparation</b>	
<b>Shipping</b>	Shipped on Blue Ice. Store immediately at -20°C upon receipt.
<b>Stability and Storage</b>	<ul style="list-style-type: none"><li>12 months from date of receipt at -20°C. <b>Avoid repeated freeze-thaw cycles.</b></li></ul>

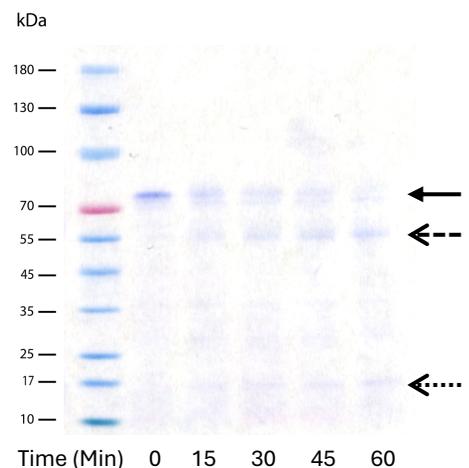
## Data Images



Recombinant SUMO Protease Ulp1p (2 µg/lane) on SDS-PAGE under reducing (R) conditions. The gel was stained using Coomassie® Blue showing a band at 28 kDa and purity greater than 98%.



SDS-PAGE analysis of Ulp1p cleavage reaction with 20 µg of substrate at 30°C for 60 min with varying enzyme units. Greater than 90% cleavage observed with 1U.



SDS-PAGE analysis of 1U Ulp1p cleavage reaction with 20 µg of substrate at 30°C with varying incubation times. Greater than 90% cleavage observed at 60 min.