

## 32-8291: Recombinant Human Sentrin-Specific Protease 2/SEN2

**Gene :** SEN2  
**Gene ID :** 59343  
**Uniprot ID :** Q9HC62

### Description

Source: E. coli.  
MW :26.8kD.

Recombinant Human Sentrin-specific protease 2 is produced by our E.coli expression system and the target gene encoding Asp363-Leu589 is expressed. SEN2 is an enzyme that belongs to the peptidase C48 family. SEN2 is a protease that catalyzes two essential functions in the SUMO pathway: processing of full-length SUMO1, SUMO2 and SUMO3 to their mature forms and deconjugation of SUMO1, SUMO2 and SUMO3 from targeted proteins. SUMO1 is a small ubiquitin-like protein that can be covalently conjugated to other proteins. It has been implicated as a down-regulator of CTNNB1 levels and may therefore be a modulator of the Wnt pathway.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 50mM HEPES,5% Glycerol, pH 7.4.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** DDLLELTEDMEKEISNALGHGPQDEILSSAFKLRITRGDIQTLKNYHWLNDEVINFYMNLLVERNKKQGYPALHV  
FSTFFYPKLGSGGYQAVKRWTGKGNLFEQEILVPIHRKVHWSLVVIDLRKKCLKYLDSMGQKGRICEILLQYLQ  
DESKTKRNSDLNLEWTHHSMKPHEIPQQLNGSDCGMFTCKYADYISRDKPITFTQHQMPLFRKKMVWEILHQ  
QLL

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.