



Recombinant Protein Technical Manual
Recombinant Human SENP2 Protein (His Tag, SUMO
Tag)
RPES4402

Product Data:

Product SKU: RPES4402

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9HC62

Protein Information:

Molecular Mass: 26.8 kDa

AP Molecular Mass: 29 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 50mM HEPES, 5% Glycerol, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Sentrin-specific protease 2; Axam2; SMT3-specific isopeptidase 2; Sentrin/SUMO-specific protease SENP2; KIAA1331; SENP2.

Immunogen Information:

Sequence: Asp363-Leu589

Background:

SENP2 is an enzyme that belongs to the peptidase C48 family. SENP2 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.