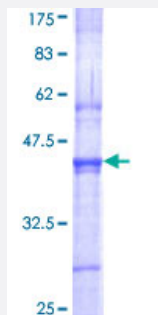


SENP3 (Human) Recombinant Protein (Q01)

Catalog # H00026168-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SENP3 partial ORF (NP_056485, 301 a.a. - 400 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EKAGQHSPREEHVTCVQSILDEFLQTYGSLIPLSTDEVVEKLEDIFQQEFSTPSRKGLVLQLIQSY QRMPGNAMVRGFRVAYKRHVLTMDDLGTLYGQN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (94); Rat (94)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SENP3

Entrez GeneID [26168](#)

GeneBank Accession# [NM_015670](#)

Protein Accession# [NP_056485](#)

Gene Name SENP3

Gene Alias DKFZp586K0919, DKFZp762A152, SMT3IP1, SSP3

Gene Description SUMO1/sentrin/SMT3 specific peptidase 3

Gene Ontology [Hyperlink](#)

Gene Summary The reversible posttranslational modification of proteins by the addition of small ubiquitin-like SUMO proteins (see SUMO1; MIM 601912) is required for numerous biologic processes. SUMO-specific proteases, such as SENP3, are responsible for the initial processing of SUMO precursors to generate a C-terminal diglycine motif required for the conjugation reaction. They also have isopeptidase activity for the removal of SUMO from high molecular mass SUMO conjugates (Di Bacco et al., 2006 [PubMed 16738315]).[supplied by OMIM]

Other Designations SUMO1/sentrin/SMT3 specific protease 3|sentrin/SUMO-specific protease 3

Disease

- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
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