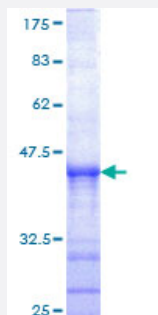


SENP6 (Human) Recombinant Protein (Q01)

Catalog # H00026054-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SENP6 partial ORF (NP_056386, 1 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAAGKSGGSAGEITFLEALARSESKRDGGFKNNWSFDHEEESEGDTDKDGTNLLSVDEDEDSE TSKGKKLNRSEIVANSSGEFILKTYVRRNKSESFKTLKGNPIGLNM
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (79); Rat (80)
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 — SENP6

Entrez GeneID [26054](#)

GeneBank Accession# [NM_015571](#)

Protein Accession# [NP_056386](#)

Gene Name SENP6

Gene Alias FLJ11355, FLJ11887, KIAA0389, KIAA0797, SSP1, SUSP1

Gene Description SUMO1/sentrin specific peptidase 6

Omim ID [605003](#)

Gene Ontology [Hyperlink](#)

Gene Summary Ubiquitin-like molecules (UBLs), such as SUMO1 (UBL1; MIM 601912), are structurally related to ubiquitin (MIM 191339) and can be ligated to target proteins in a similar manner as ubiquitin. However, covalent attachment of UBLs does not result in degradation of the modified proteins. SUMO 1 modification is implicated in the targeting of RANGAP1 (MIM 602362) to the nuclear pore complex, as well as in stabilization of I-kappa-B-alpha (NFKBIA; MIM 164008) from degradation by the 26S proteasome. Like ubiquitin, UBLs are synthesized as precursor proteins, with 1 or more amino acids following the C-terminal glycine-glycine residues of the mature UBL protein. Thus, the tail sequences of the UBL precursors need to be removed by UBL-specific proteases, such as SENP6, prior to their conjugation to target proteins (Kim et al., 2000 [PubMed 10799485]). SENPs also display isopeptidase activity for deconjugation of SUMO-conjugated substrates (Lima and Reverter, 2008 [PubMed 18799455]).[supplied by OMIM]

Other Designations 2810017C20Rik|SUMO-1-specific protease|SUMO1/sentrin specific protease 6