

Full-Length

SENTP5 (Human) Recombinant Protein (P01)

Catalog # H00205564-P01

Size 25 ug, 10 ug

Applications

Specification

Product Description

Human SENP5 full-length ORF (NP_689912.1, 1 a.a. - 755 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKKQRKILWRKGIHLAFSEKWNTGFGGFKFYFHQHLCLKAKLGRPVTWNRQLRHFQGRKKALQ
IQKTWIKDEHLCAKTKFNVATQNVSTLSSKVKRKDAKHFISSSKTLLRLQAEKLLSSAKNSDHEYC
REKNLLKAVTDFPSNSALGQANGHRPRTDPQPSDFPMKFNGESQSPGESGTMVTLNNHKRKG
CYGCCQGPEHHRNGGPLIPKKFQLNQHRIKLSPLMMYEKLSMIRFRYRILRSQHFRTKSKVCKLR
KAQRSWWQKVTGDHQETRENGEGGSCSPFSPPEPKDPSCRHQPYFPDMDSSAVVKGTNSH
VPDCHTKGSSFLGKELSLDEAFPDQQNGSATNAWDQSSCSPKWECTELIHDIPLEHRSNTMF
ISETEREIMTLGQENQTSSVSDDRVLKSVSGADTSVSSVDGPVSQKAVQNENSYQMEEDGSLKQ
SILSSELLDHPYCKSPLEAPLVCSGLKLENQVGGGKNSQKASPVDDEQLSVCLSGFLDEVMMKY
GSLVPLSEKEVLGRLKDVFNEDFSNRKPFINREITNYRARHQKCNFRIFYNKHMLDMDDLATLDGQ
NWLNDQVINMYGELIMDAVPDKVHFFNSFFHRQLVTKGYNGVKRWTKKVDLFKKSLLLIPIHLEVH
WSLITVTLNRIISFYDSQGIHFKFCVENIRKYLLEAREKNRPEFLQGWQTAVTKCIPQQKNDSDC
GVFVLQYCKCLALEQPFQFSQEDMPRVKRYKELCECLMD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

113.1

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 — SENP5

Entrez GeneID	205564
GeneBank Accession#	NM_152699.2
Protein Accession#	NP_689912.1
Gene Name	SENP5
Gene Alias	DKFZp564O1016, FLJ42398, MGC27076
Gene Description	SUMO1/sentrin specific peptidase 5
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 SENP5, 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 specific protease 5