

Recombinant Human PAPD5 Protein (1-572 aa), His-SUMO-tagged

Cat. No. PAPD5-2524H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PAPD5 Protein (1-572 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-572 aa
Description	Catalytic subunit of a TRAMP-like complex which has a poly(A) RNA polymerase activity and is involved in a post-transcriptional quality control mechanism. Polyadenylation with short oligo(A) tails is required for the degradative activity of the exosome on several of its nuclear RNA substrates. Doesn't need a cofactor for polyadenylation activity (in vitro). Plays a role in replication-dependent histone mRNA degradation, probably through terminal uridylation of mature histone mRNAs. May play a role in sister chromatid cohesion.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	79.5 kDa
AA Sequence	MYRSGERLLGSHALPAEQRDFLPLETTNNNNHHQPGAWARRAGSSASSPPPSASS SPHPSAAVPAADPADSASGSSNKRKRDNKASGGRAAGGGGRADGGGVVYSGTPWK

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RRNYNQGVVGLHEEISDFYEYMSPRPEEEKMRMEVVNRIESVIKELWPSADVQIFG
SFKTGLYLPTSDIDLVVFGKWENLPLWTLEEALRKHKVADEDSVKVLDKATVPPIKLT
DSFTEVKVDISFNVQNGVRAADLIKDFTKKYPVLPYLVLVLKQFLLQRDLNEVFTGGI
GSYSFLMAVSFLQLHPREDACIPNTNYGVLLIEFFELYGRHFNYLKTGIRIKDGGSY
VAKDEVQKNMLDGYRPSMLYIEDPLQPGNDVGRSSYGAMQVKQAFDYAYVVLSHA
VSPIAKYYPNNETESILGRIIRVTDEVATYRDWISKQWGLKNRPEPSCNGPVSSSSAT
QSSSSDVDSATPCKTPKQLCRPSTGNRVGSQDVSLESSQAVGKMQSTQTTNTS
NSTNKSQHGSARLFRSSSKGFQGTQTSHGSLMTNKQHQGKSNNQYYHGKKRKH
KRDAPLSDLCR

Purity > 85% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name PAPD5 PAP associated domain containing 5 [Homo sapiens]

Official Symbol PAPD5

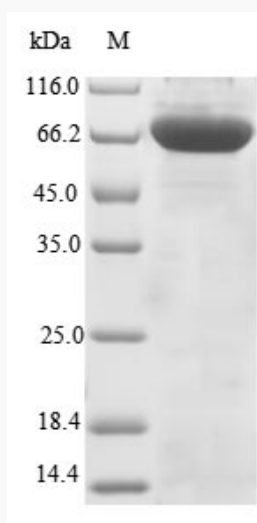
Synonyms PAPD5; TRF4 2; TUTase3; TUTase 3; terminal uridylyltransferase 3; TRF4-2; FLJ40270;

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Gene ID	64282
mRNA Refseq	NM_001040284
Protein Refseq	NP_001035374
MIM	605540
UniProt ID	Q8NDF8



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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