

Product datasheet for TP761261

SPDYA (NM_001142634) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human speedy homolog A (Xenopus laevis) (SPDYA), transcript variant 3, full length, with N-terminal HIS tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length SPDYA
Tag:	N-His
Predicted MW:	36.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Stability: RefSeq:	
-	handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq: Locus ID:	handling conditions. Avoid repeated freeze-thaw cycles. <u>NP 001136106</u> 245711
RefSeq: Locus ID: UniProt ID:	handling conditions. Avoid repeated freeze-thaw cycles. <u>NP_001136106</u> 245711 <u>Q5MJ70, A0A384MTT5</u>
RefSeq: Locus ID: UniProt ID: RefSeq Size:	handling conditions. Avoid repeated freeze-thaw cycles. <u>NP_001136106</u> 245711 <u>Q5MJ70, A0A384MTT5</u> 1756
RefSeq: Locus ID: UniProt ID: RefSeq Size: Cytogenetics:	handling conditions. Avoid repeated freeze-thaw cycles. <u>NP 001136106</u> 245711 <u>Q5MJ70, A0A384MTT5</u> 1756 2p23.2



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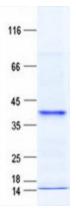
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Summary:	Regulates the G1/S phase transition of the cell cycle by binding and activating CDK1 and CDK2 (PubMed:12972555). Contributes to CDK2 activation without promoting CDK2 phosphorylation, by inducing a conformation change of the CDK2 T-loop that obstructs the substrate-binding cleft prior to kinase activation (PubMed:28666995). Mediates cell survival during the DNA damage process through activation of CDK2 (PubMed:12839962). [UniProtKB/Swiss-Prot Function]

Protein Pathways: Oocyte meiosis, Progesterone-mediated oocyte maturation

Product images:



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