

Product datasheet for TP315720

ZNF451 (NM_001031623) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human zinc finger protein 451 (ZNF451), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215720 representing NM_001031623 Red=Cloning site Green=Tags(s)

MGDPGSEIIIESVPPAGPEASESTTDENEDDIQFVSEGPLRPVLEYIDLVSDDDEEPSTSYTDENIKRKDH
IDYQDKVALTLARLARHVEVEKQKKEKNRAFREKIDFQHAHGLQLEFIRGHSDTEAARLCVDQWLKM
PGLKTGTINCGTKSSFRGGHTWVSGKPIPCIMHCNKEFDNGHLLGLKRFDHSPCDPTITLHGPFSS
SFACVVCYKKFVTQQQYRDHLFDKEATDDGHNNNLLPQIIQCFACPNCFLLFSRKEECSKHMSGKNHFHQ
SFKLGDNKGIAHPISFSPFAKKLLISLCKDVPFQVKVACHKTLRSHMELTAHFRVHCRNAGPVAVAES
ITQVAEKFILRGYCPDCNQVFVDETSTQNHKQNSGHKVRVINSVEESVLLYCHSSEGNKDPSSDLHLLLD
QSKFSSLKRTMSIKESSSLEICAIPIKKMNLKDKSHEGVACVQKEKSVKTFWCECNQRFPSEDAIVEKHV
FSANTMGYKCVCGKVCDDSGVIRLHMSRIHGGGAHLNFWCRTCKKELTRKDTIMAHVTEFHNGHRYF
YEMDEVEGETLPSSSTLDNLTANKPSSAITVIDHSPANSSPRGKWQCRICEDMFDSQEYVKQHCMSLAS
HKFHRYSCAHCRCRPFHKIETLYRHCQDEHDNEIKIKYFCGLCDLIFNVEEAFLSHYEEHHSIDYVVFSEK
TETSIKTEDDFPIETSNQLTCGRESYICKVNRKEDYSRCLQIMLDKGLWFRCSLCSATAQNLTDMNT
HIHQVHKEKSDEEEQYVIKCGTCTKAFHDPESAQQHFHRKHCFQKPSVAHFGSEKSNLYKFTASASHT
ERKLLQAINYSKSLDMEKGVENDLSYQNIIEEIVELPDLTYLRTMTHIVFVDFDNWSNFFGHLPGLHNLQG
TFIWGFQGGNTNWKPLNCKIYNLNRIGCFFLHPRCSKRKDAADFAICMHAGRLDEQLPKQIPFTILSG
DQGFLELENQFKKTQRPAILNPHHLEGDMMCALLNSISDTTKECDSDDNMGAKNTSIGEEFISTEDVEL
EEAIRRSLEEM

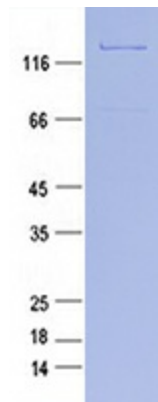
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	Myc-DDK
Predicted MW:	121.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate Bradford method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001026794
Locus ID:	26036
UniProt ID:	Q9Y4E5 , Q96JY2
RefSeq Size:	5060
Cytogenetics:	6p12.1
RefSeq ORF:	3183
Synonyms:	COASTER; dj41711.1
Summary:	E3 SUMO-protein ligase; has a preference for SUMO2 and SUMO3 and facilitates UBE2I/UBC9-mediated sumoylation of target proteins (PubMed:26524493, PubMed:26524494). Plays a role in protein SUMO2 modification in response to stress caused by DNA damage and by proteasome inhibitors (in vitro). Required for MCM4 sumoylation (By similarity). Has no activity with SUMO1 (PubMed:26524493). Preferentially transfers an additional SUMO2 chain onto the SUMO2 consensus site 'Lys-11' (PubMed:26524493). Negatively regulates transcriptional activation mediated by the SMAD4 complex in response to TGF-beta signaling. Inhibits EP300-mediated acetylation of histone H3 at 'Lys-9' (PubMed:24324267). Plays a role in regulating the transcription of AR targets (PubMed:18656483).[UniProtKB/Swiss-Prot Function]
Protein Families:	Transcription Factors

Product images:

Purified recombinant protein ZNF451 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.