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Product datasheet for TP322981L

TRAF4AF1 (KNSTRN) (NM_033286) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chromosome 15 open reading frame 23 (C15orf23), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222981 protein sequence Red=Cloning site Green=Tags(s) MAAPEAPPLDRVFRTTWLSTECDSHPLPPSYRKFLFETQEADLAGGTTVAAGNLLNESEKDCGQDRRAPG VQPCLLVTMTSVVKTVYSLQPSSALSGGQPADTQTRATSKSLLPVRSKEVDVSKQLHSGGPENDVTKITK LRRENGQMKATDTATRRNVRKGYKPLSKQKSEEELKDKNQLLEAVNKQLHQKLTETQGELKDLTQKVELL EKFRDNCLAILESKGLDPALGGETLASRQESTTDHMDSMLLLETLQEELKLFNETAKKQMEELQALKVKL EMKEERVRFLEQQTLCNNQVNDLTTALKEMEQLLEM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	35.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
RefSeq:	NP_150628
Locus ID:	90417

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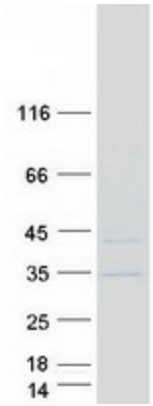
UniProt ID:	Q9Y448
RefSeq Size:	1763
Cytogenetics:	15q15.1
RefSeq ORF:	948
Synonyms:	C15orf23; HSD11; SKAP; TRAF4AF1
Summary:	Essential component of the mitotic spindle required for faithful chromosome segregation and progression into anaphase (PubMed:19667759). Promotes the metaphase-to-anaphase transition and is required for chromosome alignment, normal timing of sister chromatid segregation, and maintenance of spindle pole architecture (PubMed:19667759, PubMed:22110139). The astrin (SPAG5)-kinastrin (SKAP) complex promotes stable microtubule-kinetochore attachments (PubMed:21402792). Required for kinetochore oscillations and dynamics of microtubule plus-ends during live cell mitosis, possibly by forming a link between spindle microtubule plus-ends and mitotic chromosomes to achieve faithful cell division (PubMed:23035123). May be involved in UV-induced apoptosis via its interaction with PRPF19; however, these results need additional evidences (PubMed:24718257).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified KNSTRN protein (Cat# [TP322981]). The protein was produced from HEK293T cells transfected with KNSTRN cDNA clone (Cat# [RC222981]) using MegaTran 2.0 (Cat# [TT210002]).