

Recombinant Full Length Human TDRD6 Protein, C-Flag-tagged

Cat. No. TDRD6-571HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TDRD6 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a tudor domain-containing protein and component of the chromatoid body, a type of ribonucleoprotein granule present in male germ cells. Studies in rodents have demonstrated a role for the encoded protein in spermiogenesis and the nonsense mediated decay (NMD) pathway. This protein is a major autoantigen in human patients with autoimmune polyendocrine syndrome type 1 (APS1).
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	236.3 kDa
AA Sequence	MCSTPGMPAPGASLALRVSFVDVHPDVIPVQLWGLVGERRGEYLRLSREIQEAAAT RGQWALGSASASPG ELCLVQVGLLWHRCRVVSRQAQESRVFLLDEGRTITAGAGS LAPGRREFFNLPSEVLGCVLAGLVPAGCG AGSGEPPQHPADAVDFLSNLQGKEV HGCVLDVLLHRLVLLEVPDVFQQMRELGLARRVPDSLFRSLLE RYLTAATASVGS GVPVLSRVPLKQKQPGLDYFYPQLQLGVTEAVVITQVCHPHRIHCQLRSVSQEIHRL S ESMAQVYRGSTGTGDENSTSATWEEREESPDKPGSPCASCGLDGHWYRALLLE

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TFRPQRCAQVLHVDYGR KELVSCSSRLRYLLPEYFRMPVVTPCALYGLWDGGRG
WSRSQVGDLKTLILGKAVNAKIEFYCSFEHVYY VSLYGEDGINLNRVFGVQSCCLAD
RVLQSQATEEEEEPETSQSQSPAEEVDEEISLPALRSIRLKMNAFYD AQVEFVKNPSE
FWIRLRKHNVTFSKLMRRMCGFYSSASKLDGVVLKPEPDDLCCVKWKENGYYRAIV
TKL DDKSVDVFLVDRGNSENVWDYDVRMLLPQFRQLPILAVKCTLADIWPLGKTWS
QEAVSFFKKTVLHKELV IHILDKQDHQYVIEILDESRTGEENISKVIAQAGYAKYQEFE
TKENILVNAHSPGHVSNHFTTESNKIPF AKTGEGEQKAKRENKTTSVSKALSDTTVV
TNGSTELVVQEKVKRASVYFPLMQNCLEIKPGSSSKGELEV GSTVEVRVSYVENPG
YFWCQLTRNIQGLKTLMSDIQYYCKNTAAPHQRNTLACLAKRTVNRQWSRALISG I
QSVEHVNVTVDYGDREMVSVKNIYSISEEFLKVKAQAFRCSLYNLIQPVGQNPFWV
DVKAIQAFNEFI DNAWQKNLELKCTIFALASINEELFNIVDLLTPFQSACHFLVEKRLA
RPVKLQKPLESSVQLHSYFYSTH DMKIGSEELVYITHIDDPWTFYCQLARNANILEQL
SCSITQLSKVLLNLKTSPLNPGTLCLAKYTDGNWY RGIVIEKEPKKVFFVDFGNIYVV
TSDDLPIPSDAYDVLLLPMQAVRCSLSDIPDHIPEEVVWFQETIL DKSLKALVVAK
DPDGTLLIELYGDNIQISASINKKLGLLSYKDRIKKKESEVLCSTTETLEEKNNMKLP
CTEYLSKSVGYKLPNKEILEESYKPQINSSYKELKLLQSLTKTNLVTQYQDSVGNKNS
QVFPLTTEKKEE ISAETPLKTARVEATLSERKIGDSCDKDLPLKFCEFPQKTIMPGFK
TTVYVSHINDLSDFYVQLIEDEAE ISHLSERLNSVKTRPEYYVGPPLQRGDMICAVFP
EDNLWYRAVIKEQQPNDLLSVQFIDYGNVSVVHTNK IGRDLVNAILPGLCIHCSLQG
FEVPDNKNSKKMMHYFSQRTSEAAIRCEVVKFQDRWEVILADEHGIIA DDMISRYAL
SEKSQVELSTQVIKSASSKSVNKSIDITSVFLNWYNPEKKMIRAYATVIDGPEYFWC
QFAD TEKLQCLEVEVQTAGEQVADRRNCIPCPYIGDPCIVRYREDGHYYRALITNIC
EDYLVSVRLVDFGNIED CVDPKALWAIPSELLSVPMQAFPCCLSGFNISEGLCSQEG
NDYFYEIITEDVLEITILEIRRDVCDIPLA IVDLKS KGKSINEKMEKYSKTGIKSALPYENI
DSEIKQTLGSYNLDVGLKKLSNKAQVQNKIYMEQQTDEL AEITEKDVNIIGTKPSNFRD
PKTDNICEGFENPCKDKIDTEELEGELECHLVDKAEFDDKYLITGFNTLL PHANETKE
ILELNSLEVPLSPDDESKEFLELESIELQNSLVVDEEKGELSPVPPNVPLSQECVTKG
AMEL FTLQLPLSCEAEKQPELELPTAQLPLDDKMDPLSLGVSQKAQESMCTEDMRK
SSCVESFDDQRRMSLHLH GADCDPKTQNMNICEEEFVEYKNRDAISALMPLFSEE
ESSDGSKHNNGLPDHISAQLQNTYTLKAFTVG SKCVVWSSLRNTWSKCEILETAAE

	GTRVLNLSNGMEEIVNPENVWNGIPKLDKSPPEKRGLEVMEITRTRPLEQKLISEEDL AANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	TDRD6 tudor domain containing 6 [Homo sapiens (human)]
Official Symbol	TDRD6
Synonyms	TDR2; CT41.2; SPATA36; NY-CO-45; bA446F17.4
Gene ID	221400
mRNA Refseq	NM_001010870.3
Protein Refseq	NP_001010870.1

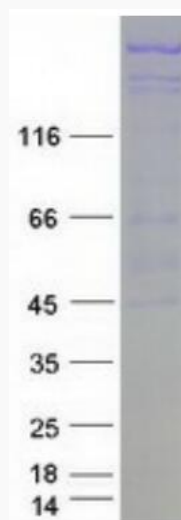
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MIM 611200

UniProt ID O60522



Coomassie blue staining of purified TDRD6 protein.

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