



Recombinant Human TACC2 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50944

Size: 10ug, 100ug

Protein Name: Transforming acidic coiled-coil-containing protein 2 (Anti-Zuai-1) (AZU-1)

Synonym: TACC2

UniProt ID: O95359

UniProt Link: www.uniprot.org/uniprotkb/O95359/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 2948 AA

Molecular Weight: 309 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MGNENSTSDNQRTLSAQTPRSAQPPGNSQNIKRKQQDTPGSPDHRDASSIGSVGLGGFCTASESS
ASLDPCLVSPVEPTPRKDPQGARGPEGSLLPSPPPSQEREHPSSSMPFAECPPEGCLASPAAPED
GPQTQSPRRPAPNAPGDIAAFAERDSSTPYQEIAAVPSAGRERQPKKEGQKSSFSFSSGIDQS
PGMSPVPLREPMKAPLCGEGDQPGGFESQEKEAAGGFPPAESRQGVASVQVTPEAPAAAQQGTE
SSAVLEKSPLKPMAPIPQDPAPRASDRERGQGEAPPQYLTDLEFLRACHLPRSNSGAAPAEVNA
ASQESCQQPVGAYLPHAELPWGLPSPALVPEAGGSGKEALDTIDVQGHPTGMRGTKPNQVVCVA
AGGQPEGGLPVSPESLLTPTEEAHPASSLASFPAAQIPIAVEEPGSSSRESVSKAGMPVSADAAKE
VVDAGLVGLERQVSDLGSKGEHPEGDPGEVPAPSPQERGEHLNTEQSHEVQPGVPPPPLPKEQSH
EVQPGAPPPPLPKAPSESARGPPGPTDGAKVHEDSTSPAVAKEGSRSPGDSPGGKEEAPEPPDGG
DPGNLQGEDSQAFSSKRDPEVGKDELSKPSSDAESRDHPSSHSAQPPRKGGAGHTDGPHSQTAE
ADASGLPHKLGEEDPVLPVPDGAAGEPTVPEGAIWEGSGLQPKCPDTLQSREGLGRMESFLTLESE
KSDFPPTPVAEVAPKAQEGESTLEIRKMGSCDGEGLLTSPDQPRGPACDASRQEFHAGVPHPPQG
ENLAADLGLTALILDQDQQGIPSCPGEGWIRGAASEWPLLSSEKHLQPSQAQPETSIFDVLKEQAQP
PENGKETSPSHPGFKDQGADSSQIHVPVEPQEDNNLPTHGGQEQALGSELQSQLPKGTLSDTPTS
SPTDMVWESSLTEEELSAPTRQKLPALGEKRPEGACGDGQSSRVSPPAADV LKDFSLAGNFSRK
ETCCTGQGPNKSQQALADALEEGSQHEEACQRHPGASEAADGCSPLWGLSKREMASGNTGEAPP
CQPDSVALLDAVPCLPALAPASPGVTPTQDAPETEACDETQEGRQQPVPAQQKMECWATSDAES
PKLLASFPSAGEQGGEGAGAAETGGSAGAGDPGKQQAPEKPGEATLSCGLLQTEHCLTSGEAESTS
ALRESCQAEHPMASCQDALLPARELGGIPRSTMDFSTHQA VDPKELL LSGPPEVAAPDTPYLHVD



SAAQRGAEDSGVKAVSSADPRAPGESPCPVGEPPLALENAASLKLFFAGSLAPLLQPGAAGGEIPAV
QASSGSPKARTTEGPVDSMPCLDRMPLLAAGKQATGEEKAATAPGAGAKASGEGMAGDAAGETE
GSMERMGEPSQDPKQGTSGGVDTSSSEQIATLTGFPDFREHIAKIFEKPVLGALATPGEKAGAGRSA
VGKDLTRPLGPEKLLDGGPGVDVTLTPAPPARLQVEKKQQLAGEAEISHLALQDPASDKLLGPAGLT
WERNLPGAGVGKEMAGVPPTLREDERPEGPGAAPWGLEGQAYSQQLERSRQELASGLPSPAATQE
LPVERAAAFQVAPHSHGEEAVAQDRIPSGKQHQETSACDSPHGEDGPGDFAHTGVPVGHVPRSTCA
PSPQREVLTVPEANSEPWTLDTLGGERRPGVTAGILEMRNALGNQSTPAPPTGEVADTPLEPGKVA
GAAGEAEGDITLSTAETQACASGDLPEAGTTRTFVAGDLVLPGSCQDPACSDKAPGMEGTAAALH
GDSPARPQQAKEQPGPERPIAGDGKVCVSSPPEPDETHDPKLQHLAPEELHTDRESRPGPSML
PSVPKKDAPRVMKVTSDETRGAEGTESSPVADDIIQPAAPADLESPTLAASSYHGDVVGQVSTDLI
AQSSIPAAAHAGLPPSAAEHIVSPSAPAGDRVEASTPSCPDPAKDLRSDDSEEAFETPESTTPVKA
PPAPPPPPPEVIPEPEVSTQPPPEEPGCGSETVPVPDGPGRSDSVEGSPFRPPSHFSFAVFEDEKPIA
SSGTYNLDFDNIELVDTFQTLEPRASDAKNQEGKVNTRRKSTDSVPISKSTLSRSLSLQASDFDGAS
SSGNPEAVALAPDAYSTGSSSASSTLKRKKPRPPSLKKKQTTKKPTETPPVKETQQEPDEESLVPS
GENLASETKTESAKTEGSPALLEETPLEPAVGPKAACPLDSESAEGVVPASGGGRVQNSPPVGR
KTLPLTTAPEAGEVTPSDSGGQEDSPAKGLSVRLFEDYSEDKSSWDNQENPPPTKKIGKKPVAKM
PLRRPKMKKTPEKLDNTPASPPRSPAEPNDIPIAKGTYTFDIDKWDDPNFNPFSSTSKMQESPKLPQ
QSYNFDPDTCDESVDPFKTSSKTPSSPSKSPASFEIPASAMEANGVDGDGLNPKAKKKKTPLKTDTF
RVKKSPKRSPLSDPPSQDPTPAATPETPPVISAVVHATDEEKLAVTNQKWTCTMTVDLEADKQDYPQ
PSDLSTFVNETKFSSPTEELDYRNSYEIEYMEKIGSSLPQDDDAPKKQALYLMFDTSQESPVKSSPV
RMSESPTPCSGSSFEETEALVNTAAKNQHPVPRGLAPNQESHQVPEKSSQKELEAMGLGTPSEAI
EITAPEGSFASADALLSRLAHPVSLCGALDYLEPDLAENPPLFAQKLQEELEFAIMRIEALKLARQIAL
ASRSHQDAKREAAHPTDVSISKTALYSRIGTAEEVEKPAGLLFQQPDLDLSALQIARAEIITKEREVSEWK
DKYEESRREVMEMRKIVAEYEKTIQMIEDEQREKSVSHQTVQQLVLEKEQALADLNSVEKSLADLF
RRYEKMKKEVLEGFRKNEEVLRCAQEYLSRVKKEEQRYQALKVHAEKLDRAEIAQVRGKAQQE
QAAHQASLRKEQLRVDALERTLEQKNKEIEELTKICDELIKMGKS

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Transforming acidic coiled-coil-containing protein 2 (Anti-Zuai-1) (AZU-1) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Plays a role in the microtubule-dependent coupling of the nucleus and the centrosome. Involved in the processes that regulate centrosome-mediated interkinetic nuclear migration (INM) of neural progenitors (By similarity). May play a role in organizing centrosomal microtubules. May act as a tumor suppressor protein. May represent a tumor progression marker.

Subcellular Localization: Cytoplasm . Nucleus . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome .

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.