

Datasheet for ABIN7555861
TTC8 Protein (AA 1-541) (His tag)



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Overview

Quantity:	1 mg
Target:	TTC8
Protein Characteristics:	AA 1-541
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TTC8 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TTC8 Protein expressed in mammalian cells.
Sequence:	<p>MSSEMEPLLL AWSYFRRRK FQLCADLCTQM LEKSPYDQEP DPELPVHQAA WILKARALTE MVYIDEIDVD QEGIAEMMLD ENAIAQVPRP GTSLKLPGTN QTGGPSQAVR PITQAGRPIT GFLRPSTQSG RPGTMEQAIR TPRTAYTARP ITSSSGRFVR LGTASMLTSP DGPFINLSRL NLTKYSQKPK LAKALFEYIF HHENDVKTIH LEDVVLHLGI YPFLLRNKNH IEKNALDLAA LSTEHSQYKD WWWKVQIGKC YYRLGMYREA EKQFKSALKQ QEMVDTFLYL AKVYVSLDQP VTALNLFKQG LDKFPGEVTL LCGIARIYEE MNNMSSAAEY YKEVLKQDNT HVEAIACIGS NHFYSDQPEI ALRFYRRLQ MGIYNGQLFN NLGLCCFYAQ QYDMTLTSFE RALSLAENEE EAADVWYNLG HVAVGIGDTN LAHQCFRLAL VNNNNHAEAY NNLAVLEM RK GHVEQARALL QTASSLAPHM YEPHFNFATI SDKIGDLQRS YVAAQKSEAA FPDHVDTQHL IKQLRQHFAM L</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: TTC8

Alternative Name: TTC8 ([TTC8 Products](#))

Background: Tetratricopeptide repeat protein 8 (TPR repeat protein 8) (Bardet-Biedl syndrome 8 protein),FUNCTION: The BBSome complex is thought to function as a coat complex required for sorting of specific membrane proteins to the primary cilia. The BBSome complex is required for ciliogenesis but is dispensable for centriolar satellite function. This ciliogenic function is mediated in part by the Rab8 GDP/GTP exchange factor, which localizes to the basal body and contacts the BBSome. Rab8(GTP) enters the primary cilium and promotes extension of the ciliary membrane. Firstly the BBSome associates with the ciliary membrane and binds to RAB3IP/Rabin8, the guanosyl exchange factor (GEF) for Rab8 and then the Rab8-GTP localizes to the cilium and promotes docking and fusion of carrier vesicles to the base of the ciliary membrane. The BBSome complex, together with the LTZL1, controls SMO ciliary trafficking and contributes to the sonic hedgehog (SHH) pathway regulation. Required for proper BBSome

Target Details

complex assembly and its ciliary localization. {ECO:0000269|PubMed:17574030, ECO:0000269|PubMed:22072986}.

Molecular Weight: 61.5 kDa

UniProt: [Q8TAM2](#)

Pathways: [Hedgehog Signaling](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months