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Datasheet for ABIN7555102
BBS9 Protein (AA 1-887) (His tag)

Overview

Quantity:	1 mg
Target:	BBS9
Protein Characteristics:	AA 1-887
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BBS9 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat BBS9 Protein expressed in mammalien cells.
Sequence:	<p>MSLFKARDWW STILGDKEEF DQGCLCLANV DNSGNGQDKI IVGSFMGYLR IFSPHPAKTG DGAQAEDLLL EVDLRDPVLQ VEVGKFSVSGT EMLHLAVLHS RKLCVYSVSG TLGNVEHGNQ CQMCLMYEHN LQRTACNMTY GSFGGVKGRD LICIQSM DGM LMVFEQESYA FGRFLPGFLL PGPLAYSSRT DSFLT VSSCQ QVESYKYQVL AFATDADKRQ ETEQQKLGSG KRLVVDWTLN IGEQA LDICI VSFNQ SASSV FVLGERNFFC LKDNGQIRFM KKLDWSPSCF LPYCSVSEGT INTLIGNHNN MLHIYQDVTL KWATQLPHIP VAVRVGCLHD LKGVIVT LSD DGHLQCSYLG TDPSLFQAPN VQSRELNYDE LDVEMKELQK IIKDVNKSQG VWPMTEREDD LNVSVVWSPN FDSVSQATDV EVGTDLVPSV TVKVTLQNRV ILQKAKLSVY VQPPELTC D QFTFEFMTPD LTRTVSFSVY LKRSYTPSEL EGNVVSYSR PTDRNPDGIP RVIQCKFRLP LKLICLPGQP SKTASHKITI DTNKSPV SLL SLFPGFASQS DDDQVNV MGF HFLGGARITV LASKTSQR YR IQSEQFEDLW LITNELILRL QEYFEKQGVK DFACSFSGSI PLQEYFELID HHFELRINGE</p>

Product Details

KLEELLSERA VQFRAIQRRRL LARFKDKTPA PLQHLDTLDD GTYKQVIALA DAVEENQGNL
FQSFTRLKSA THLVILLIAL WQKLSADQVA ILEAAFLPLQ EDTQELGWEE TVDAAISHLL
KTCLSKSSKE QALNLNSQLN IPKDTSQLKK HITLLCDRLS KGGRLCLSTD AAPQTMVMP
GGCTTIPESD LEERSVEQDS TELFTNHRHL TAETPRPEVS PLQGVSE **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

BBS9

Alternative Name:

BBS9 ([BBS9 Products](#))

Background:

Protein PTHB1 (Bardet-Biedl syndrome 9 protein) (Parathyroid hormone-responsive B1 gene 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

Target Details

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

Molecular Weight: 99.3 kDa

UniProt: [Q3SYG4](#)

Pathways: [Hedgehog Signaling](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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