

Datasheet for ABIN7557534

BBS12 Protein (AA 1-708) (His tag)



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Overview

Quantity:	1 mg
Target:	BBS12
Protein Characteristics:	AA 1-708
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BBS12 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Bbs12 Protein expressed in mammalian cells.
Sequence:	<p>MEMACRVINR RRHVGLQQLL SFAQTGRSFL GPVKATKFIT DAECHESVLI SSTVRLLEGL</p> <p>DLTCAVGHLL NEAVQAQNTT YKIGTSTLLF LVGAWSRAVE DCLHLGIPTT VIVSVMSEGL</p> <p>NSCIEAVVSL QVPIHNVFDH MDNTSTVYKL ETVNATLCPF LQDPSGSGLL QEKRD FKDAT</p> <p>SPLLSTYSLS GRHAESPKFF KPQNNLETEK NTLQVLKNNL YTDSFCKKSA LAHSRHFNRT</p> <p>DNSHWISRHD GFLEQLESTP KVLRCNDFGE LAVGLSHGDH SSMALAKAAV RLQWQSLCLQ</p> <p>QANWMAFPMF DISRLTCCI PGLPETFSRV GLGYVTFVTM SSITLIKELQ DQPFRVILIE</p> <p>GDLTESYRHL GFNKSJNIKT KLDSGELSE SAEELWTNHV LQVLIQFNVT LILVQGSVSE</p> <p>HLTEKCMHSK RLVIGAVNGS VLQAFAEATR AVPVAYVTQV NEDCVGSGVS VTFWMSPHDI</p> <p>NRSNRILL TAEGINLITA VLTSPASAM ETKEDRFWSC VYRLYHALKE EKVFLGGGAV</p> <p>EFLCLSHLQI LAEQSLNRGN HACLGWLPDS SSWMASSLSV YRPTVLKSLA GGWHEFLSAI</p> <p>MCNTATHPSA VEARTFIQQH VQNAIDSGSP SSYILSEYSK LSSGVFHSI SDNLELVPRV</p> <p>YDVTVPKIEA WRRALDVLL VLQTDSEIIT GLVHTEMNSQ ELDGVLFL Sequence without tag.</p>

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.

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: BBS12

Alternative Name: Bbs12 ([BBS12 Products](#))

Background: Bardet-Biedl syndrome 12 protein homolog,FUNCTION: Component of the chaperonin-containing T-complex (TRiC), a molecular chaperone complex that assists the folding of proteins upon ATP hydrolysis. As part of the TRiC complex may play a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia. Involved in adipogenic differentiation. {ECO:0000250|UniProtKB:Q6ZW61}.

Molecular Weight: 78.3 kDa

UniProt: [Q5SUD9](#)

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