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Product datasheet for PH306210

BBS4 (NM_033028) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BBS4 MS Standard C13 and N15-labeled recombinant protein (NP_149017)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206210
Predicted MW:	58.3 kDa
Protein Sequence:	>RC206210 protein sequence Red=Cloning site Green=Tags(s) MAEERVATRTQFPVSTESQKPRQKKAPEFPILEKQNWLIHLHYIRKDYEACKAVIKEQLQETQGLCEYAI YVQALIFRLEGNIQESLELFQTCAVLSPQSADNLKQVARSLFLLGKHKAAIEVYNEAAKLNQKDWEISHN LGVCYIYLKQFNKAQDQLHNALNLNRHDLTYIMLGKIHLLEGDLDKAIEVYKKAVEFSPENTELLTTLGL LYLQLGIYQKAFEHLGNALTYDPTNYKAILAAGSMMQTHGDFDVALTKYRVVACAVPESPPLWNNIGMCF FGKKKYVAAISCLKRANYLAPFDWKILYNLGLVHLTMQQYASAFHFLSAAINFQPKMGELYMLLAVALTN LEDTENAKRAYAEAVHLDKCNPLVNLNYAVLLYNQGEKKNALVQYQEMEKKVSLLKDNSSLEFDSEMVEM AQKLGAALQVGEALVWTKPVKDPKSKHQTTSTSKPASFQQPLGSNQALGQAMSSAAAYRTLPSGAGGTSQ FTKPPSLPLEPEPAVESSPTETSEQIREK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_149017
RefSeq Size:	2515
RefSeq ORF:	1557

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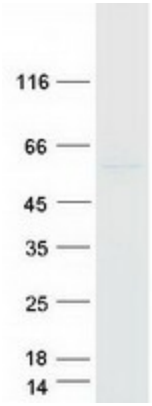
Locus ID: 585

UniProt ID: Q96RK4, A0A0S2Z3A9

Cytogenetics: 15q24.1

Summary: This gene is a member of the Bardet-Biedl syndrome (BBS) gene family. Bardet-Biedl syndrome is an autosomal recessive disorder characterized by severe pigmentary retinopathy, obesity, polydactyly, renal malformation and cognitive disability. The proteins encoded by BBS gene family members are structurally diverse. The similar phenotypes exhibited by mutations in BBS gene family members are likely due to the protein's shared roles in cilia formation and function. Many BBS proteins localize to the basal bodies, ciliary axonemes, and pericentriolar regions of cells. BBS proteins may also be involved in intracellular trafficking via microtubule-related transport. The protein encoded by this gene has sequence similarity to O-linked N-acetylglucosamine (O-GlcNAc) transferases in plants and archaebacteria and in human forms a multi-protein "BBSome" complex with seven other BBS proteins. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]

Product images:



Coomassie blue staining of purified BBS4 protein (Cat# [TP306210]). The protein was produced from HEK293T cells transfected with BBS4 cDNA clone (Cat# [RC206210]) using MegaTran 2.0 (Cat# [TT210002]).