

Recombinant Full Length Human BBS10 Protein, GST-tagged

Cat. No. BBS10-4966HF Lot. No. (See product label)

SPECIFICATION

Product Overview Human FLJ23560 full-length ORF (AAH13795.1, 1 a.a. - 151 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

ProteinLength 151 amino acids

Description This gene is a member of the Bardet-Biedl syndrome (BBS) gene family. Bardet-Biedl syndrome is an autosomal recessive disorder characterized by progressive retinal degeneration, obesity, polydactyly, renal malformation and cognitive disability. The proteins encoded by BBS gene family members are structurally diverse and the similar phenotypes exhibited by mutations in BBS gene family members is likely due to their 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 is likely not a ciliary protein but rather has distant sequence homology to type II chaperonins. As a molecular chaperone, this protein may affect the folding or stability of other ciliary or basal body proteins. Inhibition of this protein's expression impairs ciliogenesis in preadipocytes. Mutations in this gene cause Bardet-Biedl syndrome type 10. [provided by RefSeq, Jan 2010]

Molecular Mass 43.2 kDa

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AA Sequence	MLPVSCKLPNMGTSQSYLSSSSMPAGCVLPVGGNFEILLHYLLNYAKKCHQSEETM VSMIIANALLGIPKVLKSKTGKYSFPHTYIRAVHALQTNQPLVSSQTGLESVMGKYQ LLTSVLQCLTKILTIDMVITVKRHPQKVHNQDSEDEL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	BBS10 Bardet-Biedl syndrome 10 [Homo sapiens (human)]
Official Symbol	BBS10
Synonyms	BBS10; Bardet-Biedl syndrome 10; C12orf58; Bardet-Biedl syndrome 10 protein
Gene ID	79738
mRNA Refseq	NM_024685
Protein Refseq	NP_078961
MIM	610148

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UniProt ID

Q8TAM1

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