

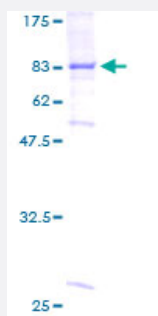
Full-Length

# BBS4 (Human) Recombinant Protein (P01)

Catalog # H00000585-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human BBS4 full-length ORF ( AAH27624, 1 a.a. - 519 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MAEERVATRTQFPVSTESQKPRQKKAPEFPILEKQNWLIHLHYRKDYEAACKAVIKEQLQETQGLC  
EYAIYQALIFRLEGNIQESLELFQTC AVLSPQSADNLKQVARSLFLLGKHKAAIEVYNEAAKLNQK  
DWEISHNLGVCYYLKQFNKAQDQLHNALNLRHDLTYIMLGKIHLLDGLDKAIEVYKKA VEF SPE  
NTELLTTLG LLYLQLGIYQKAFEHLGNALTYDPTNYKAILAAGSMMQTHGDFDVALTKYRVVACAVP  
ESPPLWNNIGMCF GKKKYVAAISCLKRANYLAPFDWKILYNLGLVH LTMQQYASAFHFLSAAINF  
QPKMGELYMLLAVALTNLEDTENAKRAYAEAVHLDKCNPLVNLNYAVLLYNQGEKKNALVQYQE  
MERKVSLLKDNSSLEFDSEMVEMAQKLGAALQVGEALVWTKPVKDPKSKHQTTSTSKPASFQQ  
PLGSNQALGQAMSSAAAYRTLPSGAGGTSQFTKPPSLPLEPEPAVESSPTETSEQIREK

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

82.83

### Interspecies Antigen Sequence

Mouse (88); Rat (88)

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — BBS4

Entrez GeneID	<a href="#">585</a>
GeneBank Accession#	<a href="#">BC027624</a>
Protein Accession#	<a href="#">AAH27624</a>
Gene Name	BBS4
Gene Alias	-
Gene Description	Bardet-Biedl syndrome 4
Omim ID	<a href="#">209900 600374</a>
Gene Ontology	<a href="#">Hyperlink</a>

Gene Summary	<p>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 mental retardation. 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 archaeobacteria and in human forms a multi-protein "BBSome" complex with six other BBS proteins. Alternative splice variants have been described but their predicted protein products have not been experimentally verified</p>
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Other Designations

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## Disease

- [Bardet-Biedl Syndrome](#)
- [Obesity](#)
- [Retinal Diseases](#)
- [Tobacco Use Disorder](#)