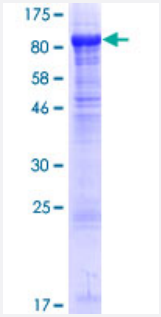
Full-Length

# BBS2 (Human) Recombinant Protein (P01)

Catalog # H00000583-P01 Size 25 ug, 10 ug

## Applications




## Specification

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| **Product Description** | Human BBS2 full-length ORF ( AAH14140.1, 1 a.a. - 721 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Sequence** | MLLPVFTLKLRHKISPRMVAIGRYDGTHPCLAAATQTGKVFIHNPHTRNQHVSASRVFQSPLESDV SLLNINQAVSCLTAGVLNPELGYDALLVGTQTNLLAYDVYNNSDLFYREVADGANVVVLGTLGDIS SPLAIIGGNCALQGFNHEGSDLFWTVTGDNVNSLALCDFDGDGKKELLVGSEDFDIRVFKEDEIV AEMTETEIVTSLCPMYGSRFGYALSNGTVGVYDKTSRYWRIKSKNHAMSIHAFDLNSDGVNELITG WSNGKVDARSDRTGEVIFKDNFSSAIAGVVEGDYRMDGHIQLICCSVDGEIRGYLPGTAEMRGNL MDTSAEQDLIRELSQKKQNLLLELRNYEENAKAELASPLNEADGHRGIIPANTRLHTTLSVSLGNET QTAHTELRISTSNDTIIRAVLIFAEGIFTGESHVVHPSIHNLSSSICIPIVPPKDVPVDLHLKAFVGYRSS TQFHVFESTRQLPRFSMYALTSLDPASEPISYVNFTIAERAQRVVVWLGQNFLLPEDTHIQNAPFQ VCFTSLRNGGHLHIKIKLSGEITINTDDIDLAGDIIQSMASFFAIEDLQVEADFPVYFEELRKVLVKVD EYHSVHQKLSADMADHSNLIRSLLVGAEDARLMRDMKTMKSRYMELYDLNRDLLNGYKIRCNNHT ELLGNLKAVNQAIQRAGRLRVGKPKNQVITACRDAIRSNNINTLFKIMRVGTASS |
| **Host** | Wheat Germ (in vitro) |
| **Theoretical MW (kDa)** | 106.3 |
| **Interspecies Antigen Sequence** | Mouse (90); Rat (90) |
| **Preparation Method** | *in vitro* wheat germ expression system |

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| **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 — BBS2

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| **Entrez GeneID** | 583 |
| **GeneBank Accession#** | BC014140.2 |
| **Protein Accession#** | AAH14140.1 |
| **Gene Name** | BBS2 |
| **Gene Alias** | BBS, MGC20703 |
| **Gene Description** | Bardet-Biedl syndrome 2 |
| **Omim ID** | 209900 606151 |
| **Gene Ontology** | Hyperlink |

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| **Gene 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 mental retardation. 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 forms a multiprotein BBSome complex with six other BBS proteins |
| **Other Designations** | Bardet-Biedl syndrome 2 protein |

## Disease

- Bardet-Biedl Syndrome
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Obesity
- Retinal Diseases