

## Recombinant Human BBS2 Protein, GST-tagged

**Cat. No.** BBS2-107H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human BBS2 full-length ORF ( AAH14140.1, 1 a.a. - 721 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | <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 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.</p> |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | 106.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MLLPVFTLKLRLHKISPRMVAIGRYDGTHPCLAAATQTGKVFHNPHTRNQHVVSASRV<br>FQSPLESDVSLNINQAVSCLTAGVLNPELGYDALLVGTQTNLLAYDVYNNSDLFYR<br>EVADGANVVVLGTLGDISSPLAIIIGNCALQGFGNHEGSDLFWVTGDNVNSLALCDF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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DGDGKKELLVGSEDFDIRVFKEDEIVAEMTETEIVTSLCPMYGSRFGYALSNGTVGV  
YDKTSRYWRIKSKNHAMSIHAFDLNSDGVNELITGWSNGKVDARS DRTGEVIFKDNF  
SSAIAGVVEGDYRMDGHIQLICCSVDGEIRGYLPGTAEMRGNLMDTSAEQDLIRELS  
QKKQNLLLELRNYEENAKAELASPLNEADGHRGIIPANTRLHTTSLVSLGNETQTAHT  
ELRISTSNDTIIRAVLIFAEGIFTGESHVHPSIHNLS SSIPIVPPKDV PVDLHLKAFVG  
YRSSTQFHV FESTRQLPRFSMYALTSLDPASEPISYVNFTIAERAQRV VVWLGQNFL  
LPEDTHIQNAPFQVCFTSLRNGGHLHIKILSGEITINTDDIDLAGDIIQSMASFFAIEDL  
QVEADFPVYFEELRKVLVKVDEYHSVHQLSAD MADHSNLIRSLLVGAEDARLMRD  
MKTMKSRYMELYDLNRDLLNGYKIRCNNHTELLGNLKAVNQAIQRAGRLRVGKPKN  
QVITACRDAIRSNNINTLFKIMRVGTASS

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">BBS2 Bardet-Biedl syndrome 2 [ Homo sapiens ]</a>                  |
| <b>Official Symbol</b> | <a href="#">BBS2</a>                                                           |
| <b>Synonyms</b>        | BBS2; Bardet-Biedl syndrome 2; BBS; Bardet-Biedl syndrome 2 protein; MGC20703; |
| <b>Gene ID</b>         | <a href="#">583</a>                                                            |
| <b>mRNA Refseq</b>     | <a href="#">NM_031885</a>                                                      |
| <b>Protein Refseq</b>  | <a href="#">NP_114091</a>                                                      |

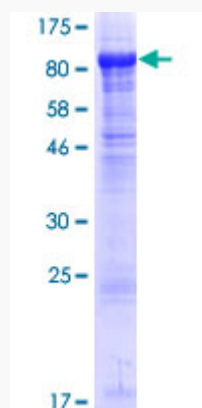
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MIM 606151

UniProt ID Q9BXC9



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