

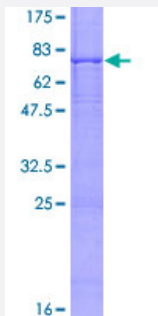
Full-Length

## BBS1 (Human) Recombinant Protein (P01)

Catalog # H00000582-P01

Size 10 ug, 25 ug

### Applications



### Specification

#### Product Description

Human BBS1 full-length ORF ( AAH47642.1, 1 a.a. - 463 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

MSPGPQLWHLLQALVSMCIRISDPTSSSAYPNCLQILWNKTFGTRPKRETAEELSIQSLRFLQLE  
LSEMEAFVNQHKSNSIKRQTVITMTTLKKNLADEDAVSCLVLGTENKELLVLDPEAFTILAKMSLP  
SVPVFLEVSGQFDVEFRLAAACRNGNMYLRRDSKHPKYCIELSAQPVGLIRVHKVLVVGSTQDSL  
HGFTHKGKKLWTVQMPAAILTMNLLEQHSRGLQAVMAGLANGEVRIYRDKALLNVIHTPDAVTS LC  
FGRYGRENTLIMTTRGGGLIILKRTAMFVEGGSEVGPPPAQAMKLNVPKTRLYVDQTLRERE  
AGTAMHRAFQTDLYLLRLRAARAYLQALESSLPLSTTAREPLKLHAVVQGLGPTFKLTLHLQNTS  
TTRPVLGLLVCFLYNEALYSLPRAFFKVPLLVPGLNYPLETFVESLSNKGISDIKVGPA LVPRGR

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

77.8

#### Interspecies Antigen Sequence

Mouse (92); Rat (87)

#### 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.

|                            |                                                                          |
|----------------------------|--------------------------------------------------------------------------|
| <b>Storage Buffer</b>      | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| <b>Storage Instruction</b> | Store at -80°C. Aliquot to avoid repeated freezing and thawing.          |
| <b>Note</b>                | 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 — BBS1

|                            |                                                                                                                                                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Entrez GeneID</b>       | <a href="#">582</a>                                                                                                                                                                                                              |
| <b>GeneBank Accession#</b> | <a href="#">BC047642.1</a>                                                                                                                                                                                                       |
| <b>Protein Accession#</b>  | <a href="#">AAH47642.1</a>                                                                                                                                                                                                       |
| <b>Gene Name</b>           | BBS1                                                                                                                                                                                                                             |
| <b>Gene Alias</b>          | BBS2L2, FLJ23590, MGC126183, MGC126184, MGC51114                                                                                                                                                                                 |
| <b>Gene Description</b>    | Bardet-Biedl syndrome 1                                                                                                                                                                                                          |
| <b>Omim ID</b>             | <a href="#">209900</a> <a href="#">209901</a>                                                                                                                                                                                    |
| <b>Gene Ontology</b>       | <a href="#">Hyperlink</a>                                                                                                                                                                                                        |
| <b>Gene Summary</b>        | Mutations in this gene have been observed in patients with the major form (type 1) of Bardet-Biedl syndrome. The encoded protein may play a role in eye, limb, cardiac and reproductive system development. [provided by RefSeq] |
| <b>Other Designations</b>  | -                                                                                                                                                                                                                                |

## Publication Reference

- [DISC1-dependent switch from progenitor proliferation to migration in the developing cortex.](#)

Ishizuka K, Kamiya A, Oh EC, Kanki H, Seshadri S, Robinson JF, Murdoch H, Dunlop AJ, Kubo KI, Furukori K, Huang B, Zeledon M, Hayashi-Takagi A, Okano H, Nakajima K, Houslay MD, Katsanis N, Sawa A.

Nature 2011 May; 473(7345):92.

Application: Func, Recombinant protein

## Disease

- [Bardet-Biedl Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Retinal Diseases](#)