

Recombinant Full Length Human BBS2 Protein, GST-tagged

Cat. No. BBS2-1585HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BBS2 full-length ORF (AAH14140.1, 1 a.a. - 721 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	721 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 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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	106.3 kDa
AA Sequence	MLLPVFTLKL RHKISPRMVA IGRYDGTHPC LAAATQTGKV FIHNPHTRNQ

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HVSASRVFQS PLESDVSLN INQAVSCLTA GVLNPELGYD ALLVGTQTNL
 LAYDVYNNNSD LFYREVADGA NVVVLGTLGD ISSPLAIGG NCALQGFNHE
 GSDLFWTVTG DNVNSLALCD FDGDGKKELL VGSEDFDIRV FKEDEIVAEM
 TETEIVTSLC PMYGSRFGYA LSNGTVGVYD KTSRYWRIKS KNHAMSIHAF
 DLNSDGVNEL ITGWSNGKVD ARSDRTGEVI FKDNFSSAIA GVVEGDYRMD
 GHIQLICCSV DGEIRGYLPG TAEMRGNLMD TSAEQDLIRE LSQKKQNLL
 ELRNYEENAK AELASPLNEA DGHARGIIPAN TRLHTTSLVS LGNETQTAHT
 ELRISTSNDT IIRAVLIFAE GIFTGESHVV HPSIHNLSST ICIPVPPKD VPVDLHLKAF
 VGYRSSTQFH VFESTRQLPR FSMYALTS LD PASEPISYVN FTIAERAQRV
 VVWLGQNFL PEDTHIQNAP FQVCFTSLRN GGHLHIKIKL SGEITINTDD
 IDLAGDIIQS MASFFAIEDL QVEADFPVYF EELRKVLVKV DEYHSVHQKL
 SADMADHSNL IRSLLVGAED ARLMRDMKTM KSRYMELYDL NRDLLNGYKI
 RCNNHTELLG NLKAVNQAIQ RAGRLRVGKP KNQVITACRD AIRSNNINTL
 FKIMRVGTAS S

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 [BBS2 Bardet-Biedl syndrome 2 \[Homo sapiens \]](#)

Official Symbol [BBS2](#)

Synonyms BBS2; Bardet-Biedl syndrome 2; BBS; Bardet-Biedl syndrome 2 protein; MGC20703

Gene ID [583](#)

mRNA Refseq [NM_031885](#)

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Protein Refseq	NP_114091
MIM	606151
UniProt ID	Q9BXC9

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