

# Recombinant Full Length Human BBS12 Protein, GST-tagged

Cat. No. BBS12-1584HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human BBS12 full-length ORF ( NP_689831.2, 1 a.a. - 710 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	710 amino acids
<b>Description</b>	The protein encoded by this gene is part of a complex that is involved in membrane trafficking. The encoded protein is a molecular chaperone that aids in protein folding upon ATP hydrolysis. This protein also plays a role in adipocyte differentiation. Defects in this gene are a cause of Bardet-Biedl syndrome type 12. Two transcript variants encoding the same protein have been found for this gene.
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	105.5 kDa
<b>AA Sequence</b>	MVMACRVVVK RRRHMLQQLS SFAETGRFTL GPLKSSKFII DEECHESVLI SSTVRLLES L DLTSAVGQLL NEAVQAQNT YRTGISTLLF LVGAWSSAVE ECLHLGVPIS IIVSVMSEGL NFCSEEVVSL HVPVHNIFDC MDSTKTFSQL ETFSVSLCPF LQVPSDTDLI EELHGLKDVA SQTLTISNLS GRPLKSYELF KPQTKVEADN NTSRTLKNSL LADTCCRQSI LIHSRHFNRD DNTEGVSKPD GFQEHVTATH KTYRCNDLVE LAVGLSHGDH SSMKLVEEAV QLQYQNACVQ

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

QGNCTKPFMF DISRIFTCCL PGLPETSSCV CPGYITVVSV SNNPVIKELQ  
 NQPVRIVLIE GDLTENYRHL GFNKSANIKT VLDSMRLQED SSEELWANHV  
 LQVLIQFKVN LVLVQGNVSE RLIEKCINSK RLVIGSVNGS VMQAFAEAAG  
 AVQVAYITQV NEDCVGDGVC VTFWRSSPLD VVDRNNRIAI LLKTEGINLV  
 TAVLTNPVTA QMQUIKEDRFW TCAYRLYYAL KEEKVFLGGG AVEFLCLLSC  
 HILAEQSLKK ENHACSGWLH NTSSWLASSL AIYRPTVLKF LANGWQKYLS  
 TLLYNTANYS SEFEASTYIQ HHLQNAATDSG SPSSYILNEY SKLNSRIFNS  
 DISNKLEQIP RVYDVVTPKI EAWRRALDLV LLVLQTDSEI ITGHGHTQIN  
 SQELTGFLFL

**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** [BBS12 Bardet-Biedl syndrome 12 \[ Homo sapiens \]](#)

**Official Symbol** [BBS12](#)

**Synonyms** BBS12; Bardet-Biedl syndrome 12; C4orf24, chromosome 4 open reading frame 24; Bardet-Biedl syndrome 12 protein; FLJ35630; FLJ41559; C4orf24

**Gene ID** [166379](#)

**mRNA Refseq** [NM\\_001178007](#)

**Protein Refseq** [NP\\_001171478](#)

**MIM** [610683](#)

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UniProt ID

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