

Active Recombinant Human BRS3 Protein, GST-tagged

Cat. No. BRS3-347H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BRS3 partial ORF (NP_001718, 290 a.a. - 399 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Mammalian bombesin-like peptides (see MIM 137260) are widely distributed in the central nervous system as well as in the gastrointestinal tract, where they modulate smooth-muscle contraction, exocrine and endocrine processes, metabolism, and behavior. They bind to G protein-coupled receptors on the cell surface to elicit their effects. Bombesin-like peptide receptors include gastrin-releasing peptide receptor (MIM 305670), neuromedin B receptor (MIM 162341), and bombesin-like receptor-3 (BRS3) (Ohki-Hamazaki et al., 1997).
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Bio-activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: CHKtide. ATP: 100 uM.
Molecular Mass	37.84 kDa
AA Sequence	LYLYHSFTSQTYVDPSAMHFIFTIFSRVLAFSNSCVNPFALYWLSKSFQKHFKAQFLFC

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

CKAERPEPPVADTSLTTLAVMGTVPGTGSIQMSEISVTSFTGCSVKQAEDRF

Quality Control Test 12.5% SDS-PAGE Stained with Coomassie Blue.

Notes Best use within three months from the date of receipt of this protein.

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 [BRS3 bombesin-like receptor 3 \[Homo sapiens \]](#)

Official Symbol [BRS3](#)

Synonyms BRS3; bombesin-like receptor 3; bombesin receptor subtype-3; BRS-3; G-protein coupled receptor; bombesin receptor subtype 3;

Gene ID [680](#)

mRNA Refseq [NM_001727](#)

Protein Refseq [NP_001718](#)

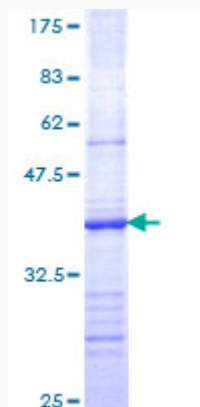
MIM [300107](#)

UniProt ID [P32247](#)

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