

## Recombinant human GBP2 protein, N-His

Catalog Number: bs-42139P

Concentration: >1mg/ml

AA Seq: 50-306/591

Predicted MW: 31.2

Tags: N-His

Activity: Not tested

Endotoxin: Not analyzed

Purity: >90% as determined by SDS-PAGE

Purification: AC

Form: Lyophilized or Liquid

Storage: 20mM Tris (pH8.0) with 8M Urea.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

**Background:** Guanylate-binding proteins, GBP1 and GBP2 are GTP-binding proteins with a high-turnover GTPase activity and an antiviral effect (1-4). GBP1 mediates an antiviral effect against vesicular stomatitis virus and encephalomyocarditis virus and plays a role in the IFN-mediated antiviral response against these viruses (4). GBP1 and GBP2 belong to a group of large GTP-binding proteins with a high concentration-dependent GTPase activity that have the common ability to undergo oligomerization (1). GBP1 and GBP2 are bone marrow-derived GTPases encoded by interferon-activated genes and are inducible following IFN treatment (2,3). Specifically, GBP1 is expressed in cultured mammary epithelial tumor cell lines after treatment with IFN-gamma and LPS (5).

### VALIDATION IMAGES



The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.