

## Recombinant Human GALP Protein, His&GST-tagged

Cat. No. GALP-1561H    Lot. No. (See product label)

### SPECIFICATION

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| <b>Product Overview</b> | Recombinant Human GALP Protein (Arg29-Ser116) with N-His&GST tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Arg29-Ser116                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | This gene encodes a member of the galanin family of neuropeptides. The encoded protein binds galanin receptors 1, 2 and 3 with the highest affinity for galanin receptor 3 and has been implicated in biological processes involving the central nervous system including hypothalamic regulation of metabolism and reproduction. A peptide encoded by a splice variant of this gene, termed alarin, has vasoactive properties, displays antimicrobial activity against E. coli, and may serve as a marker for neuroblastic tumors. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 39.7 kDa<br>Accurate Molecular Mass: 39 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b>   | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>        | <a href="#">GALP galanin-like peptide [ Homo sapiens (human) ]</a>                                                                                                                                                                                                                                                                           |
| <b>Official Symbol</b>  | <a href="#">GALP</a>                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>         | GALP; galanin-like peptide; alarin; gal-like peptide;                                                                                                                                                                                                                                                                                        |
| <b>Gene ID</b>          | <a href="#">85569</a>                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>      | <a href="#">NM_001145546</a>                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>   | <a href="#">NP_001139018</a>                                                                                                                                                                                                                                                                                                                 |
| <b>MIM</b>              | <a href="#">611178</a>                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>       | <a href="#">Q9UBC7</a>                                                                                                                                                                                                                                                                                                                       |

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