

# Recombinant Human BAS, GST-tagged

**Cat. No.** BAS-1855H    **Lot. No.** (See product label)

## SPECIFICATION

|                          |                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>  | Recombinant human BAS protein (a.a. 2091-2490) with N-terminus GST-tag was expressed in <i>E.coli</i> expression system, MW=71.8 kDa.                                                                                                                                                                                                                           |
| <b>Species</b>           | Human                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Length</b>    | 2091-2490 a.a.                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>       | BAS gene locates on chromosome 21 and participates in regulating the fl-adrenergic response of human fibroblasts.                                                                                                                                                                                                                                               |
| <b>Formulation</b>       | 25 mM Tris-HCl, pH 8.0, 75 mM NaCl, 0.05% Tween-20, 50% glycerol, 2 mM EDTA, 1 mM DTT, 10 mM glutathione.                                                                                                                                                                                                                                                       |
| <b>Purity</b>            | > 80% by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                              |
| <b>Specific Activity</b> | 5 U/g. One unit will hydrolyze 1 nmol p-nitrophenyl phosphate per minute at pH 7.4 and 30°C. Assay buffer: 50 mM HEPES, pH 7.4, 2 mM EDTA, 3 mM DTT, and 100 mM NaCl. The specific activity of Bas was determined using pNPP. Enzyme reaction condition: 50 mM HEPES, pH 7.4, 2 mM EDTA, 3mMDTT, 100 mM NaCl, 20 mM pNPP, and 20 ng/μenzyme, for 5 min at 30°C. |
| <b>Application</b>       | Useful for the study of enzyme kinetics, regulation, to dephosphorylate target substrates and for screening inhibitors.                                                                                                                                                                                                                                         |

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| Storage | >6 months at –80°C. |
|---------|---------------------|

## GENE INFORMATION

|           |                                                               |
|-----------|---------------------------------------------------------------|
| Gene Name | BAS Beta-adrenergic stimulation, response to [ Homo sapiens ] |
|-----------|---------------------------------------------------------------|

|          |                                               |
|----------|-----------------------------------------------|
| Synonyms | BAS; Beta-adrenergic stimulation, response to |
|----------|-----------------------------------------------|

|         |      |
|---------|------|
| Gene ID | 8213 |
|---------|------|

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|-----|--------|
| MIM | 109670 |
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|------------------------|----|
| Chromosome<br>Location | 21 |
|------------------------|----|

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