

## Recombinant Human BPIFA2 Protein, His-tagged

Cat. No. BPIFA2-1264H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human BPIFA2 Protein (Glu19-Ile249) with N-His tag was expressed in 293F.                                                                                                                                                                                                                                                                                                                                                                                                 |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Source           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ProteinLength    | Glu19-Ile249                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Description      | This gene encodes a member of the palate, lung and nasal epithelium clone (Plunc) family of proteins. Members of this family have been proposed to play a role in the local antibacterial response in nose, mouth and upper respiratory pathways. The encoded soluble salivary protein binds bacterial lipopolysaccharide (LPS) and inhibits bacterial growth. This gene is present in a gene cluster on chromosome 20. Alternative splicing results in multiple transcript variants. |
| Form             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Molecular Mass   | Predicted Molecular Mass: 26.6 kDa<br>Accurate Molecular Mass: 35 kDa                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purity           | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Applications     | 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 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                         |

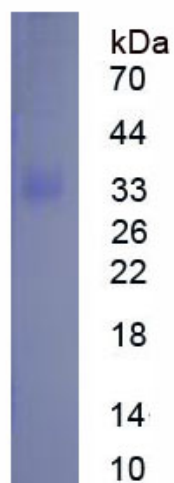
## GENE INFORMATION

|                        |                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | BPIFA2 BPI fold containing family A member 2 [ Homo sapiens (human) ]                                                                                                                   |
| <b>Official Symbol</b> | BPIFA2                                                                                                                                                                                  |
| <b>Synonyms</b>        | BPIFA2; BPI fold containing family A member 2; BPI fold-containing family A member 2; parotid secretory protein; short palate, lung and nasal epithelium carcinoma-associated protein 2 |
| <b>Gene ID</b>         | 140683                                                                                                                                                                                  |
| <b>mRNA Refseq</b>     | NM_080574                                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_542141                                                                                                                                                                               |
| <b>UniProt ID</b>      | Q96DR5                                                                                                                                                                                  |

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