

## Recombinant Human PDE4B Protein (S324-G691), His tagged

Cat. No. PDE4B-0559H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human His-TEV-PDE4B(S324-G691) Protein was expressed in Insect cell.                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | S324-G691                                                                                                                                                                                                                                                               |
| <b>Description</b>      | Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in mediating central nervous system effects of therapeutic agents ranging from antidepressants to antiasthmatic and anti-inflammatory agents. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                  |
| <b>Endotoxin</b>        | < 0.01 EU per µg of the protein                                                                                                                                                                                                                                         |
| <b>Purity</b>           | 95%                                                                                                                                                                                                                                                                     |
| <b>Stability</b>        | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.                                                                                                                                                                               |
| <b>Storage</b>          | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                     |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

**Storage Buffer** Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol

**Shipping** It is shipped out with blue ice.

## GENE INFORMATION

**Gene Name** PDE4B phosphodiesterase 4B, cAMP-specific [ Homo sapiens (human) ]

**Official Symbol** PDE4B

**Synonyms**

PDE4B; phosphodiesterase 4B, cAMP-specific; DPDE4, phosphodiesterase 4B, cAMP specific (dunce (Drosophila) homolog phosphodiesterase E4), phosphodiesterase 4B, cAMP specific (phosphodiesterase E4 dunce homolog, Drosophila); cAMP-specific 3,5-cyclic phosphodiesterase 4B; phosphodiesterase E4 dunce homolog (Drosophila); PDE32; dunce-like phosphodiesterase E4; cAMP-specific phosphodiesterase-4 B isoform; phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila); DPDE4; PDE4B5; PDEIVB; MGC126529; DKFZp686F2182;

**Gene ID** 5142

**mRNA Refseq** NM\_001037339

**Protein Refseq** NP\_001032416

**MIM** 600127

**UniProt ID** Q07343

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