

## Active Recombinant Human KLB, His-tagged

Cat. No. KLB-538H    Lot. No. (See product label)

### SPECIFICATION

|                      |                                                                                                                                                 |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview     | Recombinant Human KLB (Phe53-Leu997), fused with a C-terminal 10-His tag, was expressed in Mouse NSO Cells.                                     |
| Species              | Human                                                                                                                                           |
| Source               | Mammalian Cells                                                                                                                                 |
| ProteinLength        | 53-997 a.a.                                                                                                                                     |
| Predicted N Terminal | Phe53                                                                                                                                           |
| Form                 | Supplied as a 0.2 µ filtered solution in PBS, Glycerol and EDTA.                                                                                |
| Bio-activity         | Measured by its binding ability in a functional ELISA.                                                                                          |
| Molecular Mass       | Predicted Molecular Mass: 110 kDaSDS-PAGE: 126 kDa, reducing conditions                                                                         |
| Purity               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                     |
| Storage              | Avoid repeated freeze-thaw cycles.12 months from date of receipt, -70 °C as supplied.1 month, 2 to 8 °C under sterile conditions after opening. |

### GENE INFORMATION

|           |                                          |
|-----------|------------------------------------------|
| Gene Name | KLB klothe beta [ Homo sapiens (human) ] |
|-----------|------------------------------------------|

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|                            |                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b>     | KLB                                                                                                                                |
| <b>Synonyms</b>            | KLB; klotho beta;BKL; MGC142213; beta-klotho; betaKlotho; klotho beta like; klotho beta-likeprotein; EC 3.2.18; OTTHUMP00000158728 |
| <b>Gene ID</b>             | <a href="#">152831</a>                                                                                                             |
| <b>mRNA Refseq</b>         | <a href="#">NM_175737</a>                                                                                                          |
| <b>Protein Refseq</b>      | <a href="#">NP_783864</a>                                                                                                          |
| <b>MIM</b>                 | <a href="#">611135</a>                                                                                                             |
| <b>UniProt ID</b>          | Q86Z14                                                                                                                             |
| <b>Chromosome Location</b> | 4p14                                                                                                                               |
| <b>Pathway</b>             | Adaptive Immune System; Constitutive PI3K/AKT Signaling in Cancer; DAP12 interactions                                              |
| <b>Function</b>            | fibroblast growth factor binding; hydrolase activity, hydrolyzing O-glycosyl compounds; protein binding                            |

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