

## Recombinant Human KBTBD8 Protein (A2-L601), Tag Free

**Cat. No.** KBTBD8-1241H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human (GG)-KBTBD8(A2-L601 end) Protein was expressed in Insect cell.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | A2-L601                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex that acts as a regulator of neural crest specification. The BCR(KBTBD8) complex acts by mediating monoubiquitination of NOLC1 and TCOF1: monoubiquitination promotes the formation of a NOLC1-TCOF1 complex that acts as a platform to connect RNA polymerase I with enzymes responsible for ribosomal processing and modification, leading to remodel the translational program of differentiating cells in favor of neural crest specification. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Endotoxin</b>        | < 0.01 EU per µg of the protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Stability</b>        | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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. |
| <b>Storage Buffer</b> | Supplied as sterile. 50mM Tris-HCl (pH 7.5), 200mM NaCl, 20% glycerol, 1mM DTT                                                                                      |
| <b>Shipping</b>       | It is shipped out with blue ice.                                                                                                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | KBTBD8 kelch repeat and BTB (POZ) domain containing 8 [ Homo sapiens (human) ]                                                                                                                                                |
| <b>Official Symbol</b> | KBTBD8                                                                                                                                                                                                                        |
| <b>Synonyms</b>        | KBTBD8; kelch repeat and BTB (POZ) domain containing 8; kelch repeat and BTB domain-containing protein 8; KIAA1842; T cell activation kelch repeat protein; TA KRP; T-cell activation kelch repeat protein; TA-KRP; FLJ57592; |
| <b>Gene ID</b>         | 84541                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>     | NM_032505                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>  | NP_115894                                                                                                                                                                                                                     |
| <b>UniProt ID</b>      | Q8NFY9                                                                                                                                                                                                                        |

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