

# Recombinant Human THRB protein, His-SUMO-tagged

**Cat. No.** THRB-3579H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Product Overview</b> | Recombinant Human THRB protein(P10828)(1-461aa), fused to N-terminal His-SUMO tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 1-461aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 68.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MTPNSMTENGLTAWDKPKHCPDREHDWKLVG MSEACLHRKSHSERRSTLKNEQS<br>SPHLIQTTWTSSIFHLDHDDVNDQSVSSAQTFQTEEEKCKGYIPSYLDKDELCVVCG<br>DKATGYHYRCITCEGCKGFFRRTIQKNLHPSYSCKYEGKCVIDKVTRNQCQECRFK<br>KCIYVGMATDLVLDDSKRLAKRKLIEENREKRRREELQKSIGHKPEPTDEEWELIKTV<br>TEAHVATNAQGSHWKQKRKFLPEDIGQAPIVNAPEGGKVDLEAFSHFTKIITPAITRV<br>VDFAKKLPMFCELPCEQIILLKGCCMEIMSLRAAVRYDPESETLTNGEMAVTRGQ<br>LKNGLGVVSDAIFDLGMSLSSFNLDDTEVALLQAVLLMSSDRPGLACVERIEKYQD<br>SFLAFEHYINYRKHHVTHFWPKLLMKVTDLRMIGACHASRFLHMKVECPTELPPL<br>FLEVFED |

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| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Reconstitution</b>   | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>        | THRB thyroid hormone receptor, beta [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Official Symbol</b>  | THRB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | THRB; thyroid hormone receptor, beta; ERBA2, pituitary resistance to thyroid hormone , PRTH, thyroid hormone receptor, beta (avian erythroblastic leukemia viral (v erb a) oncogene homolog 2) , thyroid hormone receptor, beta (erythroblastic leukemia viral (v erb a) oncogene homolog 2, avian); thyroid hormone receptor beta; avian erythroblastic leukemia viral (v erb a) oncogene homolog 2; ERBA BETA; generalized resistance to thyroid hormone; GRTH; NR1A2; oncogene ERBA2; THR1; THRB1; THRB2; thyroid hormone receptor beta 1; nuclear receptor subfamily 1 group A member 2; thyroid hormone nuclear receptor beta variant 1; thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian); PRTH; ERBA2; C-ERBA-2; C-ERBA-BETA; MGC126109; MGC126110; |
| <b>Gene ID</b>          | 7068                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>      | NM_000461                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>   | NP_000452                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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| MIM | 190160 |
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| UniProt ID | P10828 |
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