

## Recombinant Human RTP1 protein, His-tagged

**Cat. No.** RTP1-7854H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human RTP1 protein(3-227 aa), fused with N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E. coli                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 3-227 aa                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole. |
| <b>AASequence</b>       | RPWRLRCPALHLP SLSVFS LRWKLPSLT TDETMCKSVTTDEWKKVFYEKMEEAKPA<br>DSWDLIIDPNLKHNV LSPGWKQYLELHASGRFHC SWCWHWTWQSPYVVILFHMFLDR<br>AQRAGSVRMRVFKQLCYECGTARLDESSMLEENIEGLVDNLITSLREQCYGERGGQ<br>YRIHVASRQDNRRHRGEFCEACQEGIVHWKPSEKLL EEEATTYTFSRAPSPTKSQD<br>Q                                                                                                                     |
| <b>Purity</b>           | 90%, by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat 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

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

|                  |                                                                     |
|------------------|---------------------------------------------------------------------|
| <b>Gene Name</b> | RTP1 receptor (chemosensory) transporter protein 1 [ Homo sapiens ] |
|------------------|---------------------------------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Official Symbol</b> | RTP1 |
|------------------------|------|

|                 |                                                                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b> | RTP1; receptor (chemosensory) transporter protein 1; receptor transporter protein 1; receptor-transporting protein 1; MGC35450; receptor transporting protein 1; |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                    |           |
|--------------------|-----------|
| <b>mRNA Refseq</b> | NM_153708 |
|--------------------|-----------|

|                       |           |
|-----------------------|-----------|
| <b>Protein Refseq</b> | NP_714919 |
|-----------------------|-----------|

|            |        |
|------------|--------|
| <b>MIM</b> | 609137 |
|------------|--------|

|                   |        |
|-------------------|--------|
| <b>UniProt ID</b> | P59025 |
|-------------------|--------|

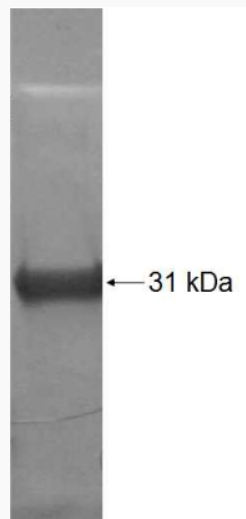
|                |        |
|----------------|--------|
| <b>Gene ID</b> | 132112 |
|----------------|--------|

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SDS-PAGE



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