

## Recombinant Human SSTR2 Protein, His-tagged

**Cat. No.** SSTR2-2738H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b> | Recombinant Human SSTR2 Protein (Ser31-Leu218) with a N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Ser31-Leu218                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Somatostatin acts at many sites to inhibit the release of many hormones and other secretory proteins. The biologic effects of somatostatin are probably mediated by a family of G protein-coupled receptors that are expressed in a tissue-specific manner. SSTR2 is a member of the superfamily of receptors having seven transmembrane segments and is expressed in highest levels in cerebrum and kidney. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 22.8 kDa                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Endotoxin</b>        | <1.0 EU per 1g (determined by the LAL method).                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                   |

 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

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b>   | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>        | SSTR2 somatostatin receptor 2 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b>  | SSTR2                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | SSTR2; somatostatin receptor 2; SST2; somatostatin receptor type 2<br>SRIF-1<br>SS2R                                                                                                                                                                                                                                                         |
| <b>Gene ID</b>          | 6752                                                                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>      | NM_001050                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>   | NP_001041                                                                                                                                                                                                                                                                                                                                    |
| <b>MIM</b>              | 182452                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>       | P30874                                                                                                                                                                                                                                                                                                                                       |

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