

# Recombinant Full Length Human HTR5A Protein

**Cat. No.** HTR5A-242HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full length Human 5HT5A receptor (aa 1-357) with N terminal proprietary tag, 65.34 kDa.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 357 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | The neurotransmitter serotonin (5-hydroxytryptamine, 5-HT) has been implicated in a wide range of psychiatric conditions and also has vasoconstrictive and vasodilatory effects. The gene described in this record is a member of 5-hydroxytryptamine (serotonin) receptor family and encodes a multi-pass membrane protein that functions as a receptor for 5-hydroxytryptamine and couples to G-proteins. This protein has been shown to function in part through the regulation of intracellular Ca <sup>2+</sup> mobilization. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 65.340kDa inclusive of tags                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MDLPVNLTSLSTPSPLETNHSLGKDDLRPSSPLLSVFG VLILTLLGFLVAATFAWN<br>LLVLATILRVRTFHRVPHNLVA SMAVSDVLVAALVMPLSLVHELSGRRWQLGRRLC<br>QLWIA C DVLCTASIWNVTALD RYWSITRHMEYTLRTRKCVSNV MIALTWALSAV<br>ISLAPLLFGWG ETYSEGSEECQVSREPSY AVFSTVGAFYLP LCVVLFVYWKIYKAAK                                                                                                                                                                                                                                                                               |

 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

FRVGSRKTNVS PISEAVEVKDSAKQPQMVFTVRHATVTFQPEGDTWREQKE QR  
AALMVGILIGVFLCWIPFFLTTELISPLCSCDIPAIWK SIFLWLGYSNSFFNPLIYTAFN  
KNYNsafknffsrqh

**Purity** Proprietary Purification

**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

## GENE INFORMATION

**Gene Name** [HTR5A 5-hydroxytryptamine \(serotonin\) receptor 5A \[ Homo sapiens \]](#)

**Official Symbol** [HTR5A](#)

**Synonyms** HTR5A; 5-hydroxytryptamine (serotonin) receptor 5A; 5-hydroxytryptamine receptor 5A; 5 HT5A

**Gene ID** [3361](#)

**mRNA Refseq** [NM\\_024012](#)

**Protein Refseq** [NP\\_076917](#)

**MIM** [601305](#)

**UniProt ID** [P47898](#)

 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