

## HTR3B

### Human 5-Hydroxytryptamin (serotonin) receptor 3AB

**Catalog No.** CSH0004MP                      **Quantity:** 10 mg  
CSH0004PR    50 µg

**Alternate Names:** 5-HT3-B, Serotonin Receptor 3B

**Description:** HTR3B is one of the several different ligand-gated ion channel receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a hormone, a neurotransmitter, and a mitogen. It is a cation-specific, but otherwise relatively non-selective ion channel that, when activated, causes fast depolarizing responses in neurons. A functional channel may be composed of five identical 5-HT3A subunits (homopentameric) or a mixture of 5-HT3A and one of the other four 5-HT3B, 5-HT3C, 5-HT3D, or 5-HT3E subunits (heteropentameric). It appears that only the 5-HT3A subunits form functional homopentameric channels. All other subunit subtypes must heteropentamerize with 5-HT3A subunits to form functional channels.

The receptor is available in the following formats: stable over-expression cell line, membrane preparation, or purified receptor in HEK293 or CHO. Various tagged versions are available.

**Gene ID:** 9177

**UniProtKB:** O95264

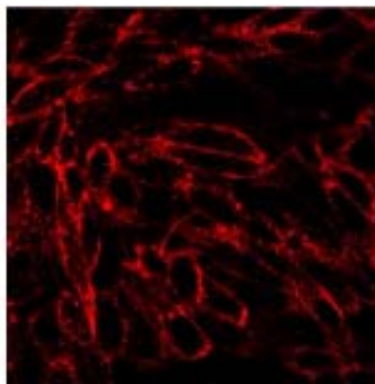
**Format:** Cell line, membrane preparation, or purified protein

**Source:** HEK 293 or CHO cells

**Characterization:** Expression of receptor was verified by immunostaining. Receptor demonstrates biological activity when tested in a radioligand assay.

**Affinity Tag Options:** Receptor construct: HTR3A is FLAG-tagged, HTR3B is TwinStrep-Tagged.

Human 5-hydroxytryptamine receptor 3A and 3B were stably expressed in CHO cells and receptor expression was assessed by immuno-staining with Strep-Tactin Chromeo 546



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