

## HTR3D

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

<b>Catalog No.</b>	CSH0006MP CSH0006PR	<b>Quantity:</b>	10 mg 50 µg
<b>Alternate Names:</b>	5-HT3-D, Serotonin 5-HT-3D Receptor		
<b>Description:</b>	<p>HTR3D 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.</p> <p>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.</p>		
<b>Gene ID:</b>	200909		
<b>UniProtKB:</b>	Q70Z44		
<b>Format:</b>	Cell line, membrane preparation, or purified protein		
<b>Source:</b>	HEK 293 or CHO cells		
<b>Characterization:</b>	Expression of receptor was verified by immunostaining. Receptor demonstrates biological activity when tested in a radioligand assay.		
<b>Affinity Tag Options:</b>	Receptor construct: HTR3A is FLAG-tagged, HTR3D is TwinStrep-Tagged.		

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