

# 5-hydroxytryptamine receptor 1B

Catalog No: #AP78752



Package Size: #AP78752-1 50ug #AP78752-2 100ug #AP78752-3 1mg

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## Description

Product Name	5-hydroxytryptamine receptor 1B
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	9-315AA
Other Names	HTR1DB,S12,Serotonin 1D beta receptor,Serotonin receptor 1B,5-HT-1D-beta
Accession No.	P28222Gene name:HTR1B
Uniprot	P28222
GeneID	3351;
Calculated MW	33.77
Tag Info	His
Formulation	50mM NaH <sub>2</sub> PO <sub>4</sub> , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for ergot alkaloid derivatives, various anxiolytic and antidepressant drugs and other psychoactive substances, such as lysergic acid diethylamide (LSD). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity. Arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Regulates the release of 5-hydroxytryptamine, dopamine and acetylcholine in the brain, and thereby affects neural activity, nociceptive processing, pain perception, mood and behavior. Besides, plays a role in vasoconstriction of cerebral arteries.

## References

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Note: This product is for in vitro research use only