



5-HT_{1A} SEROTONIN RECEPTOR, HUMAN (Sf9)

Cat. No. **S-160**

Store tightly sealed at -80°C.

Product Description

5-HT_{1A} Serotonin receptor, human (Sf9) is prepared by infecting cells with baculovirus to express the human recombinant 5-HT_{1A} serotonin receptor.

Reagents

5-HT_{1A} Serotonin receptor, human (Sf9) is supplied suspended 50 mM Tris-HCl at pH 7.4, containing 10% glycerol and 1% BSA.

Preparation Instructions

TYPICAL ASSAY CONDITIONS:

Incubation Buffer:

50 mM Tris-HCl at pH 7.4, containing 10 mM MgSO₄, 0.5 mM EDTA and 0.1% ascorbic acid (add just before use).

Binding Protocol:

1. Membranes: Dilute in incubation buffer (0.5 ml of membranes to 24.5 ml of incubation buffer).
2. Assay mixture: 500 µl of diluted membranes, 20 µl of [³H]-radioligand in buffer, 20 µl of incubation buffer or unlabeled ligand in buffer.

Product Information

Radioligand: [³H]-8-OH-DPAT at a final concentration of 1.5 nM for competition studies.

Unlabeled ligand: Metergoline (Cat. No. M-167) at a final concentration of 10 µM.

3. Incubation time: 60 minutes at 4°C.
4. Separation: Over GF/C filter (5 mm diameter, presoaked in 0.3% polyethyleneimine, Cat. No. P-182) then wash 4x with 500 µl of ice cold 50 mM Tris-HCl at pH 7.4.

Storage/Stability

Store tightly sealed at -80°C. When stored in the original packaging solution, the membranes retain their original specific activity for several months.

References

1. Escandon, N.A. et al. *J. Pharmacol. Exp. Ther.* **268**, 441-447 (1994).
2. Charest, A. et al. *J. Neurosci.* **13**, 5164-5171 (1993).
3. Lucas, J.J. et al. *Neuron* **10**, 599-611 (1993).

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