

# PRODUCT INFORMATION (PGE504-2)

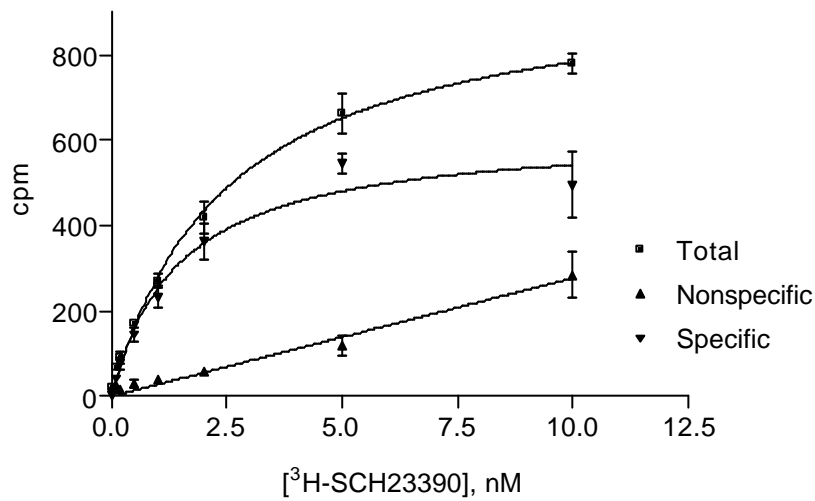


## CHO Cell Line Expressing Human Dopamine D<sub>1</sub> Receptor

Source DNA Human dopamine D1 receptor(X55760 )

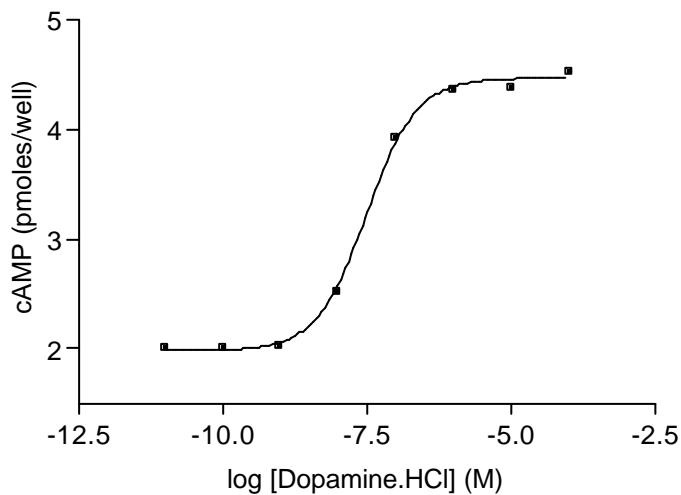
Host Cell Type DG44 (*dhfr*-/*dhfr*-)

### Saturation Binding Assay



Ligand	[ <sup>3</sup> H]-SCH23390
K <sub>d</sub>	1.47 ±0.32 nM
B <sub>max</sub>	1.44 ±0.1 pmol/mg protein

### Functional Assay



Increasing concentrations of dopamine were shown to increase cAMP formation in CHO cell line expressing rhD<sub>1</sub>R. An EC<sub>50</sub> for dopamine was estimated to be 3.2x10<sup>-8</sup> M. .