

Recombinant Human PTGDS

Catalog No: #GP10736



Package Size: #GP10736-1 100ug

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Description

Product Name	Recombinant Human PTGDS
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 23-190 amino acids of human prostaglandin D2 synthase 21kDa (brain)
Target Name	prostaglandin D2 synthase 21kDa (brain)
Other Names	PDS; PGD2; PGDS; LPGDS; PGDS2; L-PGDS
Accession No.	Swissprot:P41222Gene Accession:BC005939
Uniprot	P41222
GenID	5730;
Storage	-20~-80°C, pH 7.6 PBS

Background

The protein encoded by this gene is a glutathione-independent prostaglandin D synthase that catalyzes the conversion of prostaglandin H2 (PGH2) to prostaglandin D2 (PGD2). PGD2 functions as a neuromodulator as well as a trophic factor in the central nervous system. PGD2 is also involved in smooth muscle contraction/relaxation and is a potent inhibitor of platelet aggregation. This gene is preferentially expressed in brain. Studies with transgenic mice overexpressing this gene suggest that this gene may be also involved in the regulation of non-rapid eye movement sleep.?

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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