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Recombinant Human Tryptophan 5-Hydroxylase 2/TPH2 Protein(N-6His)

产品货号: TP05813

第三版

别名:Tryptophan 5-Hydroxylase 2; Neuronal Tryptophan Hydroxylase; Tryptophan 5-Monooxygenase 2; TPH2; NTPH

描述:Tryptophan 5-hydroxylase 2 (TPH2) is an isozyme member of the bipterin-dependent aromatic amino acid hydroxylase family. TPH2 is primarily expressed in the serotonergic neurons of the brain, with the highest expression found in the raphe nucleus of the midbrain. TPH2 catalyzes the first and rate limiting step in the biosynthesis of serotonin, an important hormone and neurotransmitter. Genetic variation in TPH2 may influence susceptibility to major depressive disorder (MDD). Defects in TPH2 are the cause of psychiatric diseases such as bipolar affective disorder and major depression.

配方:PBS

分子量:58.8 kDa

序列:Met 1-Ile496

纯度:> 95% by HPLC

浓度:

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.