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OAT, 33-439aa, Human, E.coli

产品货号: TP03240

第三版

别名:ornithine aminotransferase precursor, DKFZp781A11155, HOGA, OATASE

**描述:**OAT, also known as mitochondrial enzyme ornithine aminotransferase, is a key enzyme in the pathway that converts arginine and ornithine into the major excitatory and inhibitory neurotransmitters glutamate and GABA. ( L-ornithine + a 2-oxo acid = L-glutamate 5-semialdehyde + an L-amino acid.) Mutations that result in a deficiency of this enzyme cause the autosomal recessive eye disease Gyrate Atrophy. Recombinant OAT protein was expressed in E.coli and purified by using conventional chromatography techniques.

**配方:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

**分子量:**45.2 kDa (408aa)

**序列:**

MTVQGPPTSDDIFEREYKYGAHNYHPLPVALERKGIYLWDVEGRKYFDLSSYSAVNQGHCHPKIVNALKSQVDKLTLT  
SRAFYNNVLGEYEEYITKLFNYHKVLPMTGVEAGETACKLARKWGYTVKGIQKYKAKIVFAAGNFWGRTLSAISSTDP  
TSYDGFPGPFMPGFDIIPYNDLPALERALQDPNVA AFMVEPIQGEAGVVVPDGYLMGVRELCTR HQVLFIADEIQTGLAR  
TGRWLAVDYENVRPDI VLLGKALSGGLYPVSAVLCDDDIMLTIKPGEHGSTYGGNPLGCRVAIAALEVLEEENLAENADK  
LGIILRNELMKLPSDVVTA VRGKGLLN AIVIKETKDWD A WKVCLRLRDNGLLAKPTHGDIIRFAPPLVIKEDELRESIEIINK  
TILSF

**纯度:**> 95% by HPLC

**浓度:**1 mg/ml (determined by Bradford assay )

**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.