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GOT2, 30-430aa Human, His tag, E.coli

产品货号: TP02310

第三版

别名: Aspartate aminotransferase 2, mitochondrial, KAT4, KATIV, mitAAT

描述: GOT2, also known as glutamate oxaloacetate transaminase 2, belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family. glutamate oxaloacetate transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and inner-membrane mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology. Recombinant human GOT2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

分子量: 47 kDa (424aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSSWWTHVEMGPPDPILGVTEAFKRDTNSKKMNLGVGAYRDDNGKPYVLPVSRKA
EAQIAAKNLDKEYLPIGGLAEFCKASAELALGENSEVLKSGRFVTVQTISGTGALRIGASFLQRFFKFSRDVFLPKPTWGNHT
PIFRDAGMQLQGYRYYPKTCGFDFTGAVEDISKIPEQSVLLLHACAHNPTGVDPRPEQWKEIATVVKKRNLFAFFDMAY
QGFASGDGDKDAWAVRHFIEQGINVCLCQSYAKNMGLYGERVGAFTMVCKDADEAKRVESQLKILIRPMYSNPPLNGA
RIAAAILNTPDLRKQWLQEVKVMADRIIGMRTQLVSNLKEGSTHNWQHITDQIGMFCFTGLKPEQVERLIKEFSIYMTK
DGRISVAGVTSSNVGYLAHAIHQVTK

纯度: > 95% by HPLC

浓度: 0.5 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.