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GAD1-iso1, 1-594aa, Human, His tag, E.coli

产品货号: TP02175

第三版

别名: Glutamate decarboxylase 1, CPSQ1, GAD, SCP

描述: This gene encodes one of several forms of glutamic acid decarboxylase, identified as a major autoantigen in insulin-dependent diabetes. The enzyme encoded is responsible for catalyzing the production of gamma-aminobutyric acid from L-glutamic acid. A pathogenic role for this enzyme has been identified in the human pancreas since it has been identified as an autoantigen and an autoreactive T cell target in insulin-dependent diabetes. This protein may also play a role in the stiff man syndrome. Deficiency in this enzyme has been shown to lead to pyridoxine dependency with seizures. Recombinant human GAD1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

分子量: 69.3 kDa (617aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSMASSTPSSSATSSNAGADPNTTTLRPTTYDTWCGVAHGCTRKLGLKICGFLQRTNS
LEEKSRLLVSAFKERQSSKNLLSCENSRRDARFRRTETDFSNLFARDLLPAKNGEEQTVQFLLEVVDILLNYVRKTFDRSTKVL
DFHHPHQLLEGMEGFNLELSDHPESLEQILVDCRDLTKYGVRTGHPRFFNQLSTGLDIIGLAGEWLTSTANTNMFTYEIAP
VFVLMQITLKKMREIVGWSSKDGDFSPGGAISNMYSIMAARYKYFPEVKTGMAAVPKLVLTSEQSHYSIKKAGAAL
GFGTDNVILIKCNERGKIIPADFEAKILEAKQKGYVPFYVNATAGTTVYGAFDPIQEIADICEKYNLWLHVDAAWGGGLL
MSRKHHRHKLNGIERANSVTWNPHKMMGVLLQCSAILVKEKILQGCNQMCAGYLFQPKQYDVSYDTGDKAIQCGR
HVDIFKFWLMWKAKGTGFGFENQINKCLELAELYAKIKNREEFEMVFNGEPEHTNVCFWYIPQSLRGVPDSPQRREKLH
KVAPKIKALMMESGTTMVGYPQGDKANFFRMVISNPAATQSDIDFLIEEIERLGQDL

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.