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IYD, 24-214aa Human, His tag, E.coli

产品货号: TP02702

第三版

别名:iodotyrosine dehalogenase 1 isoform 3, C6orf71, DEHAL1, dJ422F24.1, TDH4

描述:IYD is an enzyme that catalyzes the oxidative NADPH-dependent deiodination of mono- and diiodotyrosine, which are the halogenated byproducts of thyroid hormone production. The N-terminus of the protein functions as a membrane anchor. Mutations in this gene cause congenital hypothyroidism due to dysmorphogenesis type 4, which is also referred to as deiodinase deficiency, or iodotyrosine dehalogenase deficiency, or thyroid morphogenesis type 4. Alternative splicing results in multiple transcript variants. Recombinant human IYD 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 0.4M UREA, 10% glycerol

分子量:25.1kDa (214aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSDRSMEKKKGEPRTAEARPWVDEDLKDSSDLHQAEEDADEWQSEENVEHIPFSH
NHYPEKEMVKRSQEFYELLNKRRSVRFISNEQVPMVIDNVIRTAGTAPSGAHTPWFVVKDPDVKHKIRKIIEEEEIN
YMKRMGHRWVTDLKKLRNWIKEYLDTAPILILIFKQVHGFAANGKKKVHYYNE

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.