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GDI1, 1-447aa, Human, His tag, E.coli

产品货号: TP02224

第三版

别名: Rab GDP dissociation inhibitor alpha, GDP dissociation inhibitor 1, 1A, GDIL, MRX41, MRX48, OPHN2, RABGD1A, RABGDIA, XAP-4

描述: GDP dissociation inhibitors are proteins that regulate the GDP-GTP exchange reaction of members of the rab family, small GTP-binding proteins of the ras superfamily, that are involved in vesicular trafficking of molecules between cellular organelles. GDIs slow the rate of dissociation of GDP from rab proteins and release GDP from membrane-bound rabs. GDI1 is expressed primarily in neural and sensory tissues. Mutations in GDI1 have been linked to X-linked nonspecific mental retardation. Recombinant human GDI1 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, 20% glycerol, 1mM DTT

分子量: 53.0kDa (470aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSMDEEYDVIVLGTGLTECILSGIMSVNGKKVLHMDRNPYYGGESSITPLEELYKRFQ
LLEGPPEMGRGRDWNVDLIPKFLMANGQLVKMLLYTEVTRYLDFKVVVEGSFVYKGGKIYKVPSTETEALASNLGMFEK
RRFRKFLVFVANFDENDPKTFEGVDPQTTSMRDVYRKFDLGQDVIDFTGHALALYRTDDYLDQPCLETVNRILYSESLA
RYGKSPYLYPLYGLGELPQGFARLSAIYGGTYMLNKPVDDIIMENGVVGVKSEGEVARCKQLICDPSYIPDRVRKAGQVI
RIICILSHPIKNTNDANSCQIIPQNQVNRKSDIYVCMISYAHNVAAQGKYIAIASTTVETTDPEKEVEPALELLEPIDQKFVA
ISDLYEPIDGCEQVFCSCSYDATTHFETTCNDIKDIYKRMAGTAFDFENMKRQNDVFGAEQ

纯度: > 95% by HPLC

浓度: 0.25 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.