

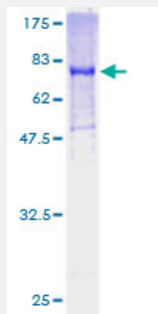
Full-Length

GDI1 (Human) Recombinant Protein (P01)

Catalog # H00002664-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GDI1 full-length ORF (AAH00317, 1 a.a. - 447 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDEEYDVIVLGTGLTECIPSGIMSVNGKKVLHMDRNPYYGGESSITPLEELYKRFQLLEGPPESM
GRGRDWNVDLIPKFLMANGQLVKMLLYTEVTRYLDFKVVESGFSVYKGGKIYKVPSTETELASNL
MGMFEKRRFRKFLVFVANFDENDPKTFEGVDPQTSMRDVYRKFDLGQDVIDFTGHALALYRTD
DYLDQPCLETVNRILYSESLARYGKSPYLYPLYGLGELPQGFARLSAIYGGTYMLNKPVDDIIMEN
GKVVGKSEGEVARCKQLICDPSYPDRVRKAGQVIRICILSHPIKNTNDANSCQIIIPQNQVNRKSDI
YVCMISYAHNVAAQGYAIASTTVETTDPEKEVEPALELLGPIDQKFVAISDLYEPIDDGCESQVFC
SCSYDATTHFETTCNDIKDIYKRMAGTAFDFENMKRKQNDVFGEAEQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

74.91

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GDI1

Entrez GeneID [2664](#)

GeneBank Accession# [BC000317](#)

Protein Accession# [AAH00317](#)

Gene Name GDI1

Gene Alias FLJ41411, GDIL, MRX41, MRX48, OPHN2, RABGD1A, RABGDIA, XAP-4

Gene Description GDP dissociation inhibitor 1

Omim ID [300104](#) [309541](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000032118|mental retardation, X-linked 41|mental retardation, X-linked 48|rab GDP-dissociation inhibitor, alpha

Publication Reference

- [Antibodies in patients with neuropsychiatric systemic lupus erythematosus.](#)

Kimura A, Kanoh Y, Sakurai T, Koumura A, Yamada M, Hayashi Y, Tanaka Y, Hozumi I, Takemura M, Seishima M, Inuzuka T.
Neurology 2010 Apr; 74(17):1372.

Application: WB-Re, Recombinant protein