

Recombinant Full Length Human GDI1 Protein, C-Flag-tagged

Cat. No. GDI1-1212HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GDI1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
ProteinLength	1-447 aa
Description	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 cognitive disability.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	50.4 kDa
AA Sequence	MDEEYDVIVLGTGLTECILSGIMSVNGKKVLHMDRNPYYGGESSITPLEELYKRFQL LEGPPEMGRGR DWNVDLIPKFLMANGQLVKMLLYTEVTRYLDFKVVESFVYKG GKIYKVPSTETEALASNLGMFEKRRF RKFLVFVANFDENDPKTFEGVDPQTTSR DVYRKFDLGQDVIDFTGHALALYRTDDYLDQPCLETVNRIK LYESLARYGKSPYLY

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PLYGLGELPQGFARLSAIYGGTYMLNKPVDDIIMENGKVVGKSEGEVARCKQL ICD
 PSYIPDRVRKAGQVIRIICILSHPIKNTNDANSCQIIPQNQVNRKSDIYVCMISYAHNVA
 AQGKYI AIASTTVETTDPEKEVEPALELLEPIDQKFVAISDLYEPIDDGCEQVFCSCS
 YDATTHFETTCNDIKDI
 YKRMAGTAFDFENMKRKQNDVFGAEQTRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

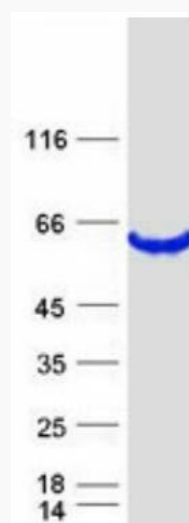
Gene Name	GDI1 GDP dissociation inhibitor 1 [Homo sapiens (human)]
Official Symbol	GDI1
Synonyms	1A; GDIL; MRX41; MRX48; OPHN2; XAP-4; XLID41; RABGD1A; RABGDIA

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Gene ID	2664
mRNA Refseq	NM_001493.3
Protein Refseq	NP_001484.1
MIM	300104
UniProt ID	P31150



Coomassie blue staining of purified GDI1 protein.