



Recombinant Mouse Rab GDP dissociation inhibitor beta (Gdi2)

Product Code	CSB-EP730745MO
Abbreviation	Gdi2
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q61598
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	MNEEYDVIVL GTGLTECILS GIMSVNGKKV LHMDQNPYYG GESASITPLE DLYKRFLKLPQ QPPASMGRGR DWNVDLIPKF LMANGQLVKM LLFTEVTRYM DFKVIEGSFV YKGGKIYKVP STEAEALASS LMGLFEKRRF RKFLVYVANF DEKDPRTFEG VDPKKTSMRD VYKKFDLGQD VIDFTGHSLA LYRTDDYLDQ PC CETINRIK LYSESLARYG KSPYLYPLYG LGELPQGFAR LSAIYGGTYM LNKPIEEIIV QNGKVVGVKS EGEIARCKQL IC DPSYVKDR VEKVGQVIRV ICILSHPIKN TNDANSCQII IPQNQVNRKS DIYVCMISFA HNVA AQGKYI AIVSTTVETK EPEKEIRPAL ELLEPIEQKF VSISDLFV PK DLGTDSQIFI SRAYDATTHF ETTCCDDIKDI YKRMTGSEFD FEEMKRKKND IYGED
Source	E.coli
Target Names	Gdi2
Protein Names	Recommended name: Rab GDP dissociation inhibitor beta Short name= Rab GDI beta Alternative name(s): GDI-3 Guanosine diphosphate dissociation inhibitor 2 Short name= GDI-2
Expression Region	1-445
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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. GDI2 is ubiquitously expressed. The GDI2 gene contains many repetitive elements indicating that it may be prone to inversion/deletion rearrangements. Alternative splicing results in multiple transcript variants encoding distinct isoforms.



Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.