Recombinant Human Rab GDP dissociation inhibitor alpha (GDI1)

Product Code	CSB-YP009353HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P31150
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MDEEYDVIVL GTGLTECILS GIMSVNGKKV LHMDRNPYYG GESSSITPLE ELYKRFQLLE GPPESMGRGR DWNVDLIPKF LMANGQLVKM LLYTEVTRYL DFKVVEGSFV YKGGKIYKVP STETEALASN LMGMFEKRRF RKFLVFVANF DENDPKTFEG VDPQTTSMRD VYRKFDLGQD VIDFTGHALA LYRTDDYLDQ PCLETVNRIK LYSESLARYG KSPYLYPLYG LGELPQGFAR LSAIYGGTYM LNKPVDDIIM ENGKVVGVKS EGEVARCKQL ICDPSYIPDR VRKAGQVIRI ICILSHPIKN TNDANSCQII IPQNQVNRKS DIYVCMISYA HNVAAQGKYI AIASTTVETT DPEKEVEPAL ELLEPIDQKF VAISDLYEPI DDGCESQVFC SCSYDATTHF ETTCNDIKDI YKRMAGTAFD FENMKRKQND VFGEAEQ
Source	Yeast
Target Names	GDI1
Protein Names	Recommended name: Rab GDP dissociation inhibitor alpha Short name= Rab GDI alpha Alternative name(s): Guanosine diphosphate dissociation inhibitor 1 Short name= GDI-1 Oligophrenin-2 Protein XAP-4
Expression Region	1-447
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. GDI1 is expressed primarily in neural and sensory tissues. Mutations in GDI1 have been linked to X-linked nonspecific mental retardation.
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.