Recombinant Human Nucleolar GTP-binding protein 1 (GTPBP4)

Product Code	CSB-MP887173HU
Abbreviation	GTPBP4
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.	Q9BZE4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	AHYNFKKIT VVPSAKDFID LTLSKTQRKT PTVIHKHYQI HRIRHFYMRK VKFTQQNYHD RLSQILTDFP KLDDIHPFYA DLMNILYDKD HYKLALGQIN IAKNLVDNVA KDYVRLMKYG DSLYRCKQLK RAALGRMCTV IKRQKQSLEY LEQVRQHLSR LPTIDPNTRT LLLCGYPNVG KSSFINKVTR ADVDVQPYAF TTKSLFVGHM DYKYLRWQVV DTPGILDHPL EDRNTIEMQA ITALAHLRAA VLYVMDLSEQ CGHGLREQLE LFQNIRPLFI NKPLIVVANK CDVKRIAELS EDDQKIFTDL QSEGFPVIET STLTEEGVIK VKTEACDRLL AHRVETKMKG NKVNEVLNRL HLAIPTRRDD KERPPFIPEG VVARRKRMET EESRKKRERD LELEMGDDYI LDLQKYWDLM NLSEKHDKIP EIWEGHNIAD YIDPAIMKKL EELEKEEELR TAAGEYDSVS ESEDEEMLEI RQLAKQIREK KKLKILESKE KNTQGPRMPR TAKKVQRTVL EKEMRSLGVD MDDKDDAHYA VQARRSRSIT RKRKREDSAP PSSVARSGSC SRTPRDVSGL RDVKMVKKAK TMMKNAQKKM NRLGKKGEAD RHVFDMKPKH LLSGKRKAGK KDRR
Source	Mammalian cell
Target Names	GTPBP4
Protein Names	Recommended name: Nucleolar GTP-binding protein 1 Alternative name(s): Chronic renal failure gene protein GTP-binding protein NGB
Expression Region	2-634
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 of Mature Protein
Target Details	GTP-binding proteins are GTPases and function as molecular switches that can flip between two states: active, when GTP is bound, and inactive, when GDP is bound. Active in this context usually means that the molecule acts as a signal to trigger other events in the cell. When an extracellular ligand binds to a G-protein-linked receptor, the receptor changes its conformation and switches on

	the trimeric G proteins that associate with it by causing them to eject their GDP and replace it with GTP. The switch is turned off when the G protein hydrolyzes its own bound GTP, converting it back to GDP. But before that occurs, the active protein has an opportunity to diffuse away from the receptor and deliver its message for a prolonged period to its downstream target.
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.