



# Recombinant Human ARF GTPase-activating protein GIT2 (GIT2)

<b>Product Code</b>	CSB-EP613489HU
<b>Abbreviation</b>	GIT2
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q14161
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MSKRLRSSEV CADCSGPDPS WASVNRGTFL CDECCSVHRS LGRHISQVRH LKHTPWPTL LQMVELYNN GANSIWEHSL LDPASIMSGR RKANPQDKVH PNKAEFIRAK YQMLAFVHRL PCRDDSVTA KDLSKQLHSS VRTGNLETCL RLLSLGAQAN FFHPEKGNTL LHVASKAGQI LQAELLAVYG ADPGTQDSSG KTPVDYARQG GHHELAERLV EIQYELTDRL AFYLCGRKPD HKNQGHFIIP QMADSSLDLS ELAKAAKKL QLSNLHFEE LAMDVYDEVD RRETDVWLA TQNHSALVTE TTVVPFLPVN PEYSSTRNQG RQKLARFNAH EFATLVIDIL SDAKRRQGS SLGSKDNVE LILKTINNQH SVESQDNDQP DYDSVASDED TDLETTASKT NRQKSLDSDL SDGPVTVQEF MEVKNALVAS EAKIQQLMKV NNNLSDDELRI MQKKLQTLQS ENSNLRKQAT TNVYQVQTGS EYTDTSNHSS LKRRPSARGS RPMSMYETGS GQKPYLPMGE ASRPEESRMR LQPFAHIGR SALVTSSSSL PSFPSTLSWS RDESARRASR LEKQNSTPES DYDNTPNPDM PDGMGSSRKG RQRSMVWPGD GLVPDTPAEPH VAPSPTLPST EDVIRKTEQI TKNIQELLRA AQENKHDSYI PCSERIHVAV TEMAALFPPK PKSDMVRTSL RLLTSSAYRL QSECKKTLPG DPGSPTDVQL VTQQVIQAY DIAKAAKQLV TITTKENN
<b>Source</b>	E.coli
<b>Target Names</b>	GIT2
<b>Protein Names</b>	Recommended name: ARF GTPase-activating protein GIT2 Short name= ARF GAP GIT2 Alternative name(s): Cool-interacting tyrosine-phosphorylated protein 2 Short name= CAT-2 Short name= CAT2 G protein-coupled receptor kinase-int
<b>Expression Region</b>	1-759
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene encodes a member of the GIT protein family, which interact with G



protein-coupled receptor kinases and possess ADP-ribosylation factor (ARF) GTPase-activating protein (GAP) activity. GIT proteins traffic between cytoplasmic complexes, focal adhesions, and the cell periphery, and interact with Pak interacting exchange factor beta (PIX) to form large oligomeric complexes that transiently recruit other proteins. GIT proteins regulate cytoskeletal dynamics and participate in receptor internalization and membrane trafficking. This gene has been shown to repress lamellipodial extension and focal adhesion turnover, and is thought to regulate cell motility. This gene undergoes extensive alternative splicing to generate multiple isoforms, but the full-length nature of some of these variants has not been determined. The various isoforms have functional differences, with respect to ARF GAP activity and to G protein-coupled receptor kinase 2 binding.

---

**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.