

Integrin Alpha FG GAP Repeat Containing Protein 1 (ITFG1) Recombinant Protein | ITFG1 recombinant protein

Recombinant Integrin Alpha FG GAP Repeat Containing Protein 1 (ITFG1)

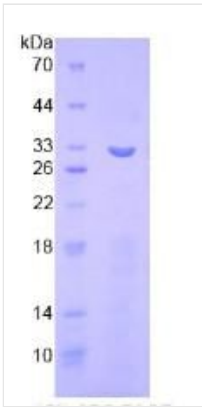
CATALOG # AAA135520	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Integrin Alpha FG GAP Repeat Containing Protein 1 (ITFG1); Recombinant Integrin Alpha FG GAP Repeat Containing Protein 1 (ITFG1); ITFG1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandT7-ta g,itsseque nceisliste dbelow. MGSSHHHHH HSSGLVPRGS HMASMTGGQQ MGRGS-DLNS DKQTDLFVLR ERNDLIVFLA DQNAPYFKPK VKVSFKNHSA LITSVVPGDY DGDSQMDVLL TYLPKNYAKS ELGAVIFWGQ NQTLDPNNMT ILNRTFQDEP LIMDFNGDLI PDIFGITNES NQPQILLGGN LSWHPALTTT SKMRIPHSHA FIDLTEDFTA DLFLTTLNAT TSTFQFEIWE NLDGNFSVST ILEKPQNMV VGQSAFADFD GDGHMDHLLP GCEDKNCQKS TIYLVRSGBK QWVPVLQD
Sequence Length	612
Applicable Applications for ITFG1 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Homo sapiens (Human)
Expression System	Prokaryotic expression
Residues	Asp55~Asp306 (Accession # Q8TB96) with two N-terminal Tags, His-tag and T7-tag
Subcellular Location	Membrane; Single-pass type I membrane protein. Secreted
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Predicted Isoelectric Point	5.2
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



Sequence

DLNSDK QTDLFVLRER NDLIVFLADQ NPYFKPKVK VSFKNHSALT
TSVVPQDYDG DSQMDVLLTY LPKNYAKSEL GAVIFWQGNQ TLDPNNMHTIL
NRTFQDEPLI MDFNGDLIPD IFGITNESNQ PQILLGGNLS WHPALTTTSK
MRIPHSHAFI DLTEDFATDL FLTTLNATTS TFQFEIWENL DGNFSVSTIL
EKPQNMVVG QSAFADFDDG GHMDHLLPGC EDKNCQKSTI YLVRSGMKQW
VPVLQD

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361933
NCBI GeneID	81533
NCBI Accession #	NP_110417.2
NCBI GenBank Nucleotide #	NM_030790.3
UniProt Accession #	Q8TB96; Q96SR4; Q9BRE2; Q9H2V9
Molecular Weight	31.9kDa
NCBI Official Full Name	T-cell immunomodulatory protein
NCBI Official Synonym Full Names	integrin alpha FG-GAP repeat containing 1
NCBI Official Symbol	ITFG1
NCBI Official Synonym Symbols	TIP; CDA08
NCBI Protein Information	T-cell immunomodulatory protein; 2310047C21Rik; T cell immunomodulatory protein; integrin-alpha FG-GAP repeat-containing protein 1
UniProt Protein Name	T-cell immunomodulatory protein
UniProt Gene Name	ITFG1
UniProt Synonym Gene Names	TIP; Protein TIP
UniProt Entry Name	TIP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.