

Recombinant Human TIAM2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TIAM2-517H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TIAM2 MS Standard C13 and N15-labeled recombinant protein (NP_001010927) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a guanine nucleotide exchange factor. A highly similar mouse protein specifically activates ras-related C3 botulinum substrate 1, converting this Rho-like guanosine triphosphatase (GTPase) from a guanosine diphosphate-bound inactive state to a guanosine triphosphate-bound active state. The encoded protein may play a role in neural cell development. Alternatively spliced transcript variants encoding different isoforms have been described.
Molecular Mass	70.6 kDa
AA Sequence	MEGPRENQDPPPRPLARHLSADRLRKVIQELVDTEKSYVKDLSCLFELYLEPLQNE TFLTQDEMESLFGSLPEMLEFQKVLETLEDGISASSDFNTLETSPSQFRKLLFSLGGS FLYYADHFKLYSGFCANHIKVQKVLERAKTDKAFKAFLDARNPTKQHSSTLESYLIKP VQRVLYKYPLLLKELVSLTDQESEEHYHLTEALKAMEKVASHINEMQKIYEDYGTVFD QLVAEQSGTEKEVTELSMGELLMHSTVSWLNPFLSLGKARKDLELTVFVFKRAVILV YKENCKLKKKLPSNSRPAHNSTDLDPFKFRWLIPISALQVRLGNPAGTENNSIWELIH TKSEIEGRPETIFQLCCSDSESKTNIVKVIRSILRENFRRIHKCELPLEKTCKDRLVPLK

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NRVPVSAKLASSRSLKVLKNSSSNEWTGETGKGTLTLLDSDEGSLSSGTQSSGCPTAE
GRQDSKSTSPGKYHPGLADFDNLIKESDILSDEDDHQRQTVKQGSPTKDIEIQFQ
RLRISEDPDVHPEAEQQPGPESGEGQKGGEQPKLVRGHFCPIKRKANSTKRDRGTL
LKAQIRHQSLDSQSENATIDLNSVLEREFVQSLTSVSEECFYETESHGKSTRTRPL
EQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [TIAM2 T-cell lymphoma invasion and metastasis 2 \[Homo sapiens \(human\) \]](#)

Official Symbol [TIAM2](#)

Synonyms TIAM2; T-cell lymphoma invasion and metastasis 2; T-lymphoma invasion and metastasis-inducing protein 2; STEF; SIF and TIAM1-like exchange factor; TIAM-2; FLJ41865;

Gene ID [26230](#)

mRNA Refseq [NM_001010927](#)

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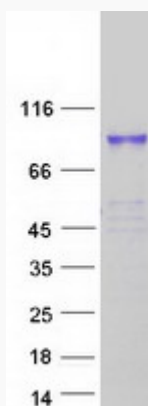
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Protein Refseq NP_001010927

MIM 604709

UniProt ID Q8IVF5

SDS-PAGE



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