

Recombinant Human TIAM2, His-tagged

Cat. No. TIAM2-30624TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1134-1701 of Human TIAM2 with N terminal His tag, 568 amino acids, 80kDa,
Species	Human
Source	E.coli
ProteinLength	1134-1701 a.a.
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.
Conjugation	HIS
Tissue specificity	Expressed in the occipital, frontal and temporal lobes, cerebellum, putamen and testis.
Form	Lyophilised:Reconstitution with 153 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	<p>FLTQDEMESLFGSLPEMLEFQKVLETLEDGISASSDFNT LETPSQFRKLLFSLGGS FLYYADHFKLYSGFCANHIKV QKVLERAKTDKAFKAFLDARNPTKQHSSTLESYLIKP VQR VLKYPLLLKELVSLTDQESEEHYHLTEALKAMEKVASH INEMQKIYEDYGTVFD QLVAEQSGTEKEVTELSMGELLMH STVSWLNPFLSLGKARKDLELTVFVFKRAVILV YKENC KLKKKLPSNSRPAHNSTDLDPFKFRWLIPISALQVRLGNP AGTENNSIWELI HTKSEIEGRPETIFQLCCSDSESKTN IVKVIRSILRENFRRIKCELPLEKTCKDRLVP LKNRVPV SAKLASSRSLKVLKNSSSNEWTGETGKGTLDSDEGSL SSGTQSSGCP TAEGRQDSKSTSPGKYPHPGLADFADNL IKESDILSDEDDHRQTVKQGSPTKDIEI QFQRLRISEDP DVHPEAEQQPGPESGEGQKGGEQPKLVRGHFCPIKRKA NSTKR DRGTLLKAQIRHQSLDSQSENATIDLNSVLEREFV VQSLTSVVSEECFYETESHGKS</p>
Sequence Similarities	Belongs to the TIAM family.Contains 1 DH (DBL-homology) domain.Contains 1 PDZ (DHR) domain.Contains 2 PH domains.Contains 1 RBD (Ras-binding) domain.

GENE INFORMATION

Gene Name	TIAM2 T-cell lymphoma invasion and metastasis 2 [Homo sapiens]
Official Symbol	TIAM2
Synonyms	TIAM2; T-cell lymphoma invasion and metastasis 2; T-lymphoma invasion and metastasis-inducing protein 2; STEF;
Gene ID	26230
mRNA Refseq	NM_001010927
Protein Refseq	NP_001010927

MIM	604709
Uniprot ID	Q8IVF5
Chromosome Location	6q25
Pathway	Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem;
Function	Rho guanyl-nucleotide exchange factor activity; guanyl-nucleotide exchange factor activity; receptor signaling protein activity;

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