

Product datasheet for PH313556

TIAM2 (NM_001010927) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TIAM2 MS Standard C13 and N15-labeled recombinant protein (NP_001010927)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213556
Predicted MW:	70.6 kDa
Protein Sequence:	>RC213556 representing NM_001010927 Red=Cloning site Green=Tags(s)

MEGPRENQDPPRPLARHLSADRLRKVIQELVDTEKSYVKDLSCLFELYEPLQNETFLTQDEMESLFG
SLPEMLEFQKVLETLEDGISASSDFNTLETSPQFRKLLFSLGGSFLYYADHFKLYSGFCANHIKVQKVL
ERAKTDKAFKAFLDARNPTKQHSSTLESYLKPVQRVLKYPLLLKELVSLTDQESEEHYHLTEALKAMEK
VASHINEMQKIYEDYGTVFDQLVAEQSGTEKEVTELSMGELLMHSTVSWLNPFLSLGKARKDLELTVFVF
KRAVILVYKENCKLKKLPSNSRPAHNSTDLDPFKFRWLIPISALQVRLGNPAGTENNSIWELIHTKSEI
EGRPETIFQLCCSDESSTNIVKIVIRSILRENFRRIKCELEKTKDRLVPLKNRVPVSAKLASSRSL
KVLKNSSSNEWTGETGKGTLLDSDDEGLSSGTQSSGCPTAEGRQDSKSTSPGKYPPHGLADFADNLIKES
DILSDEDDHRQTVKQGSPTKDIEIQFQRLRISEDPDVHPEAEQQPGPESGEGQKGEQPKLVRGHFCPI
KRKANSTKRDRGTLKKAQIRHQSLDSQSENATIDLNSVLEREFVQSLTSVVSEECFYETESHGKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001010927
RefSeq Size:	2668
RefSeq ORF:	1878



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Synonyms: STEF; TIAM-2

Locus ID: 26230

UniProt ID: [Q8IVF5](#)

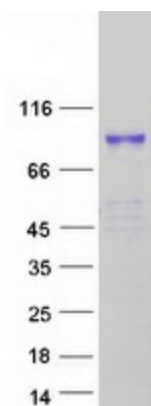
Cytogenetics: 6q25.2-q25.3

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Chemokine signaling pathway, Regulation of actin cytoskeleton

Product images:



Coomassie blue staining of purified TIAM2 protein (Cat# [TP313556]). The protein was produced from HEK293T cells transfected with TIAM2 cDNA clone (Cat# [RC213556]) using MegaTran 2.0 (Cat# [TT210002]).