

Product datasheet for PH300293

TRK fused gene (TFG) (NM_001007565) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TFG MS Standard C13 and N15-labeled recombinant protein (NP_001007566)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200293
Predicted MW:	43.4 kDa
Protein Sequence:	>RC200293 protein sequence Red=Cloning site Green=Tags(s)

MNGQLDL SGKLI IKAQLGEDIRRIPIHNEDITYDELVLMQRFVFRGKLLSNDEVTIKYKDEDGDLITIFD
SSDLSFAIQCSRILKLT LFNQPRPLESSQVKYLRRELIELRNKVNRLDLSLEPPGPGPSTNIPENDT
VDGREEKSASDSSGKQSTQVMAASMSAFDPLKNQDEINKNVMSAFGLTDDQVSGPPSAPAEDRSGTPDSI
ASSSSAAHPPGVQPQQPPYTGAQTQAGQIEGQMYQQYQQQAGYGAQQPQAPPQQPQQYGIQYSASYSQQT
GPQQPQQFQGYGQQPTSQAPAPAFSGQPQQLPAQPPQQYQASNYPAQTYTAQTSQPTNYTVAPASQPGMA
PSQPGAYQPRPGFTSLPGSTMTPPPSGPNPYARNRPPFGQGYTQPGPGYR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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:	<u>NP_001007566</u>
RefSeq Size:	1841
RefSeq ORF:	1200
Synonyms:	HMSNP; SPG57; TF6; TRKT3
Locus ID:	10342



[View online »](#)

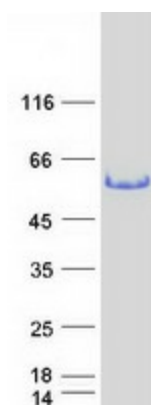
UniProt ID: [Q92734](#)

Cytogenetics: 3q12.2

Summary: There are several documented fusion oncoproteins encoded partially by this gene. This gene also participates in several oncogenic rearrangements resulting in anaplastic lymphoma and mixoid chondrosarcoma, and may play a role in the NF-kappaB pathway. Multiple transcript variants have been found for this gene. [provided by RefSeq, Sep 2010]

Protein Pathways: Pathways in cancer, Thyroid cancer

Product images:



Coomassie blue staining of purified TFG protein (Cat# [TP300293]). The protein was produced from HEK293T cells transfected with TFG cDNA clone (Cat# [RC200293]) using MegaTran 2.0 (Cat# [TT210002]).