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Product datasheet for PH324765

ROR1 (NM_001083592) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ROR1 MS Standard C13 and N15-labeled recombinant protein (NP_001077061)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224765
Predicted MW:	43.6 kDa
Protein Sequence:	>RC224765 representing NM_001083592 Red=Cloning site Green=Tags(s) MHRPRRRGTRPPLLALLAALLLAARGAAAQETELSVSAELVPTSSWNISSELNKDSYLTLDEPMNNITTS LGQTAELHCKVSGNPPPTIRWFKNDAPVVQEPRRLSFRSTIYGSRLRIRNLDTTDTGYFQCVATNGKEVV SSTGVLFVKFGPPPTASPGYSDEYEEDGFCQPYRGIACARFIGNRTVYMESLHMQGEIENQITAAFTMIG TSSHLSDKCSQFAIPSLCHYAFPYCDETSSVPKPRDLCRDECEILENVLCQTEYIFARSNPMILMRLKLP NCEDLPQPESPEAANCIRIGIPMADPINKNHKCYNSTGVDYRGTVSVTKSGRQCQPWNSQYPHTHTFTAL RFPELNGGHSYCRNPGNQKEAPWCFTLDENFKSDLCDIPACGK 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_001077061
RefSeq Size:	2303
RefSeq ORF:	1179
Synonyms:	dJ537F10.1; NTRKR1
Locus ID:	4919

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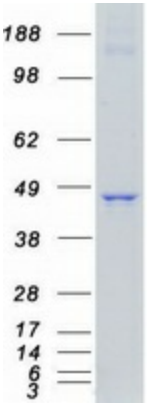
UniProt ID: Q01973

Cytogenetics: 1p31.3

Summary: This gene encodes a receptor tyrosine kinase-like orphan receptor that modulates neurite growth in the central nervous system. The encoded protein is a glycosylated type I membrane protein that belongs to the ROR subfamily of cell surface receptors. It is a pseudokinase that lacks catalytic activity and may interact with the non-canonical Wnt signalling pathway. This gene is highly expressed during early embryonic development but expressed at very low levels in adult tissues. Increased expression of this gene is associated with B-cell chronic lymphocytic leukaemia. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2012]

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Product images:



Coomassie blue staining of purified ROR1 protein (Cat# [TP324765]). The protein was produced from HEK293T cells transfected with ROR1 cDNA clone (Cat# [RC224765]) using MegaTran 2.0 (Cat# [TT210002]).