

Product datasheet for PH314967

ROR1 (NM_005012) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | ROR1 MS Standard C13 and N15-labeled recombinant protein (NP_005003) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC214967 |
| Predicted MW: | 104.1 kDa |
| Protein Sequence: | >RC214967 representing NM_005012 Red=Cloning site Green=Tags(s) |

MHRPRRRGTRPPLLALLAALLLAARGAAAQETELSVSAELVPTSSWNISSELNKDSYLTLDPEMNNITTS
LGQTAELHCKVSGNPPPTIRWFKNDAPVVQEPRRLSFRSTIYGSRLRIRNLDTTDTGYFQCVATNGKEVV
SSTGVLFVKFGPPPTASPGYSDEYEEDGFCQPYRGIACARFIGNRTVYMESLHMQGEIENQITAAFTMIG
TSSHLSDKCSQFAIPSLCHYAFPYCDETSVVKPRDLCRDECEILENVLCQTEYIFARSNPMLMRLKLP
NCEDLPQPESPEAANCIRIGIPMADPINKNHKCYNSTGVDYRGTVSVTKSGRQCQPWNSQYPHTHTFTAL
RFPELNGGHSYCRNPGNQKEAPWCFTLDENFKSDLCDIPACDSKDSKEKNKMEILYILVPSVAIPLAIAL
LFFVICVCRNNQKSSSAPVQRQPKHVRGQNVMSMLNAYKPKSKAKELPLSAVRFMEELGECFAFGKIYKG
HLYLPGMDHAQLVAIKTLKDYNPQQWMEFQQEASLMAELHHPNIVCLLGAVTQEQPVCMLFEYINQGD
HEFLIMRSPHSDVGCSSDEDGTVKSSSLDHGDFLHIAIQIAAGMEYLSHFVHKDLAARNILIGEQLHVK
ISDLGLSREIYSADYRQSKSLLPIRWMPPEAIMYGKFSDDSDIWSFGVVLWEIFSFGLQPYGFNSQE
VIEMVRKRQLLPCSEDCPPRMYSLMTECWNEIPSRRPRFKDIHVRLRSWEGLSSHTSSTTPSGGNATTQT
TSLSASPVSNLSNPRYPNYMFPSSQGITPQGQIAGFIGPPIPQNQRFIPINGYPIPPGYAAFAAHYQPTG
PPRVIQHCPPPKSRPSSASGSTSTGHVTSLPSSGSNQEANIPLPHMSIPNHPGGMGITVFGNKSQKPY
KIDSKQASLLGDANIHGHTESMISAEI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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| 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. |



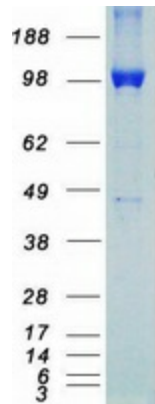
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| | |
|---------------|---------------------------|
| RefSeq: | NP_005003 |
| RefSeq Size: | 3358 |
| RefSeq ORF: | 2811 |
| Synonyms: | dj537F10.1; NTRKR1 |
| Locus ID: | 4919 |
| UniProt ID: | Q01973 |
| Cytogenetics: | 1p31.3 |

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# [TP314967]). The protein was produced from HEK293T cells transfected with ROR1 cDNA clone (Cat# [RC214967]) using MegaTran 2.0 (Cat# [TT210002]).