

Recombinant Full Length Mouse Ror1 Protein, His-tagged

Cat. No. Ror1-430M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ror1 protein with His tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	937
Description	This gene encodes a receptor tyrosine kinase that has been implicated in nervous system development, specifically in the maintenance of neural progenitor cell fate, neurite extension and synapse formation. The encoded protein, likely a pseudokinase that lacks catalytic activity, may also regulate adipogenesis. Alternative splicing results in multiple transcript variants.
Form	Lyophilized
Molecular Mass	42.6 kDa
AA Sequence	MHRPRRRGTRPPPLALLAALLLAARGADAQETELSVSAELVPTSSWNTSSEIDKGSY LTLDEPMNITTSLGQTAELHCKVSGNPPPSIRWFKNDAPVVQEPRRISFRATNYGS RLRIRNLDTTDTGYFQCVATNGKKVVSTTGVLVFKGPPPTASPGSSDEYEEDGFC QPYRGIACARFIGNRTVYMESLHMQGEIENQITAAFTMIGTSSHLSDKCSQFAIPSLC HYAFPYCDDETSSVPKPRDLCRDECEVLENVLCQTEYIFARSNPMLMRLKLPNCEDL PQPESPEAANCIRIGIPMADPINKNHKCYNSTGVDYRGTVSVTKSGRQCQPWNSQY PHTHSFTALRFPELNGGHSYCRNPGNQKEAPWCFTLDENFKSDLCDIPACDSKDSK

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EKNKMEILYILVPSVAIPLAIAFLFFFCVCRNNQKSSSPPVQRQPKPVRGQNVEMSM
 LNAYKPKSKAKELPLSAVRFMEELGECTFGKIYKGHLYLPGMDHAQLVAIKTLKDYN
 NPQQWTEFQQEASLMAELHHPNIVCLLGAVTQEQPVCMLFEYMNQGDLEFLIMRS
 PHSDVGCSSDEDGTVKSSLDHGDFLHIAIQIAAGMEYLSSHFFVHKDLAARNILIGEQ
 LHVKISDLGLSREIYSADYYRVQSKSSLPiRWMPPEAIMYGKFSSDSIWSFGVVLW
 EIFSFLQPYGFSNQEVIEVMVRKRQLLPCSEDCPPRMYSMLTECWNEIPSRPRF
 KDIHVRLRSWEGLSSHTSSTTPSGGNATTQTTSLSASPVSNLNPRFPNYMFPSQGI
 TPQQQIAGFIGPAIPQNQRFIPIPINGYPIPPGYAAFPAAHYQPAGPPRVIQHCPPPKSR
 SPSSASGSTSTGHVASLPSSGSNQEANVPLLPHMSIPNHPGGMGITVFGNKSQKPY
 KIDSKQSSLLGDSHIHGHTESMISAEV

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

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GENE INFORMATION

Gene Name	Ror1 receptor tyrosine kinase-like orphan receptor 1 [Mus musculus (house mouse)]
Official Symbol	Ror1
Synonyms	ROR1; receptor tyrosine kinase-like orphan receptor 1; tyrosine-protein kinase transmembrane receptor ROR1; neurotrophic tyrosine kinase, receptor related 1; neurotrophic tyrosine kinase, receptor-related 1; mRor1; Ntrkr1; 2810404D04Rik;
Gene ID	26563
mRNA Refseq	NM_013845
Protein Refseq	NP_038873
UniProt ID	Q9Z139

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