Active Recombinant Mouse Ror1 Protein (Gln30-Glu403), C-mFc-tagged

Cat. No. Ror1-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse ROR1 (Gln30-Glu403) with a Mouse IgG2a (Glu98-Lys330) Fc tag at C-terminus was expressed in Mouse myeloma cell line.
Species	Mouse
Source	NS0
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	Disulfide-linked homodimer
Bio-activity	Measured by its binding ability in a functional ELISA. Recombinant Mouse ROR1 Fc Chimera binds Biotinylated Recombinant Human/Mouse Wnt-5a with and ED50 of 10-60 μg/mL.
Molecular Mass	Predicted Molecular Mass: 69 kDa SDS-PAGE: 88-100 kDa, reducing conditions
N-terminal Sequence Analysis	No results obtained. Gln30 inferred from enzymatic pyroglutamate treatment revealing Glu31.

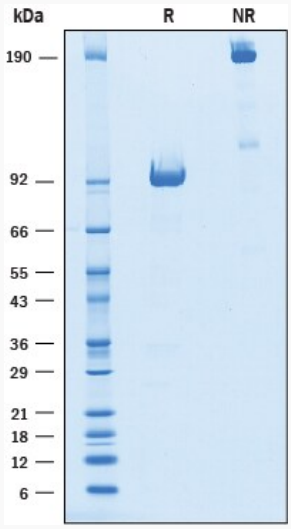
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Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	> 95% by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	12 months from date of receipt, ≤ -20 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, ≤ -20 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.
Reconstitution	Reconstitute at 500 μg/mL in PBS.
Shipping	The product is shipped at ambient temperature.

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; Ntrkr1; 2810404D04Rik; inactive tyrosine-protein kinase transmembrane receptor ROR1; neurotrophic tyrosine kinase, receptor-related 1; tyrosine-protein kinase transmembrane receptor ROR1; EC 2.7.10.1
Gene ID	26563
mRNA Refseq	NM_013845
Protein Refseq	NP_038873

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UniProt ID	Q9Z139
SDS-PAGE	

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