ROR1 Immunizing Blocking Peptide

PRODUCT OVERVIEW

Product Name	ROR1, Blocking Peptide
Full Product Name	ROR1 Immunizing Peptide
Product Gene Name	ROR1 blocking peptide
Product Synonym Names	ROR1; receptor tyrosine kinase-like orphan receptor 1; MGC99659; NTRKR1; dJ537F10.1; neurotrophic tyrosine kinase receptor-related 1
Sequence	C-GNKSQKPY KIDSKQA
Species Reactivity	Human, Mouse, Rat
Form/Format	100ug of dried peptide
Preparation and Storage	Shipped at ambient temperature, store at -20 degree C
Antibody/Peptide Pairs	ROR1 peptide (MBS428653) is used for blocking the activity of ROR1 antibody (MBS423614)
Molecular Weight	43,826 Da
OMIM	602336
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Related Product Information for ROR1 blocking peptide	MBS428653 is a blocking peptide targeting ROR1. Also known as ROR1 Immunizing Peptide. Reactive in Human, Mouse, Rat.
Other Notes	Small volumes of ROR1 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ROR1. It may not necessarily be applicable to this product.

NCBI GI #	134152725
NCBI GeneID	4919
NCBI Accession #	NP_005003.2
UniProt Secondary Accession #	Q5VVX6; Q66K77; Q92776
UniProt Related Accession #	Q01973
GenBank Nucleotide #	NM_005012.3
NCBI Official Full Name	inactive tyrosine-protein kinase transmembrane receptor ROR1 isoform 1
NCBI Official Synonym Full Names	receptor tyrosine kinase-like orphan receptor 1
NCBI Official Symbol	ROR1
NCBI Official Synonym Symbols	NTRKR1; dJ537F10.1
UniProt Protein Name	Inactive tyrosine-protein kinase transmembrane receptor ROR1
UniProt Synonym Protein Names	Neurotrophic tyrosine kinase, receptor-related 1
Protein Family	Inactive tyrosine-protein kinase transmembrane receptor

UniProt Gene Name	ROR1
UniProt Synonym Gene Names	NTRKR1
UniProt Entry Name	ROR1_HUMAN
NCBI Protein Information	inactive tyrosine-protein kinase transmembrane receptor ROR1
NCBI Summary for ROR1	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]
UniProt Comments for ROR1	ROR1: Tyrosine-protein kinase receptor whose role is not yet clear. Expressed strongly in human heart, lung and kidney, but weakly in the CNS. Isoform Short is strongly expressed in fetal and adult CNS and in a variety of human cancers, including those originating from CNS or PNS neuroectoderm. Belongs to the protein kinase superfamily. Tyr protein kinase family. ROR subfamily. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Protein kinase, TK; EC 2.7.10.1; Kinase, protein; Membrane protein, integral; Protein kinase, tyrosine (receptor); TK group; Ror family Chromosomal Location of Human Ortholog: 1p31.3 Cellular Component: cytoplasm; integral to plasma membrane; plasma membrane; receptor complex Molecular Function: ATP binding; protein binding; transmembrane receptor protein tyrosine kinase activity; Wnt-protein binding Biological Process: peptidyl-tyrosine phosphorylation; transmembrane receptor protein tyrosine kinase signaling pathway; Wnt receptor signaling pathway, planar cell polarity pathway
Research Articles on ROR1	**1.** Both IGF1R and ROR1 can be effectively targeted by SB modified CAR T cells.
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