

Inactive tyrosine-protein kinase transmembrane receptor ROR1 (ROR1) Active Protein | ROR1 active protein

Recombinant Human Inactive tyrosine-protein kinase transmembrane receptor ROR1 (ROR1), partial (Active)

CATALOG #
AAA278913

HOST
Mammalian Cell

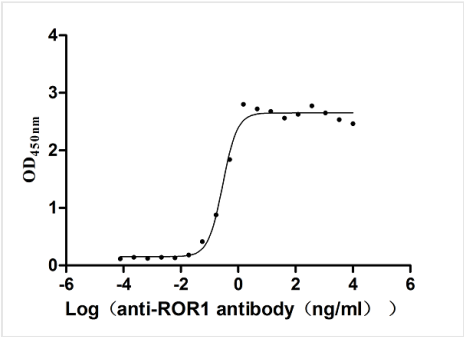
PRODUCT SYNONYMS

Inactive tyrosine-protein kinase transmembrane receptor ROR1 (ROR1); Recombinant Human Inactive tyrosine-protein kinase transmembrane receptor ROR1 (ROR1); partial (Active); (Neurotrophic tyrosine kinase; receptor-related 1); ROR1 active protein

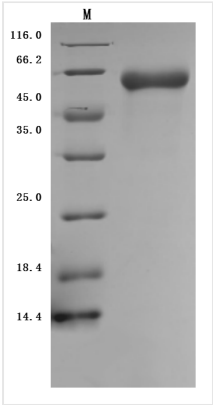
PRODUCT SPECIFICATIONS

Host	Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	30-403aa, Partial
Sequence	QETELSVSAE LVPTSSWNIS SELNKDSYLT LDEPMNITT SLGQTAE LHC KVS GNPPTI RWFKN DAPVV QEPRLSFRS TIYGSRLRIR NLDTTDTGYF QCVATNGKEV VSSTGVLFVK FGPPPTASPG YSDEYEEDGF CQPYRGIACA RFIGNRTVYM ESLHMQGEIE NQITAAFTMI GTSSHLSDKC SQFAIPSLCH YAFPYCDETS SVPKPRDLCR DECEILENL CQTEYIFARS NPMILMR LKL PNCE DLQPE SPEAANCIRI GIPMADPINK NHKCYNSTGV DYRGTVSVTK SGRQCQPWNS QYPHTHTFTA LRFPELNGGH SYCRNPGNQK EAPWCFTLDE NFKSDLCDIP ACDSKDSKEK NKME
Species	Homo sapiens (Human)
Endotoxin	Less than 1.0EU/ug as determined by LAL method.
Relevance	Has very low kinase activity in vitro and is unlikely to function as a tyrosine kinase in vivo (PubMed:25029443). Receptor for ligand WNT5A which activate downstream NFkB signaling pathway and may result in the inhibition of WNT3A-mediated signaling (PubMed:25029443, PubMed:27162350). In inner ear, crucial for spiral ganglion neurons to innervate auditory hair cells (PubMed:27162350).
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized ROR1 at 2ug/mL can bind anti-ROR1 antibody , the EC50 is 0.2450-0.3416ng/mL.
Preparation and Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

IMAGES



Bioactivity



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Product Categories/Family for ROR1 active protein	Neuroscience
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NCBI AND UNIPROT INFORMATION

NCBI GI #	118572711
NCBI GeneID	4919
UniProt Accession #	Q01973; Q5VVX6; Q66K77; Q92776
Molecular Weight	937
NCBI Official Full Name	Tyrosine-protein kinase transmembrane receptor ROR1
NCBI Official Synonym Full Names	receptor tyrosine kinase-like orphan receptor 1
NCBI Official Symbol	ROR1
NCBI Official Synonym Symbols	NTRKR1; dJ537F10.1
NCBI Protein Information	tyrosine-protein kinase transmembrane receptor ROR1; neurotrophic tyrosine kinase, receptor-related 1
UniProt Protein Name	Tyrosine-protein kinase transmembrane receptor ROR1
UniProt Gene Name	ROR1
UniProt Synonym Gene Names	NTRKR1
UniProt Entry Name	ROR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mammalian-cell-active-protein/inactive-tyrosine-protein-kinase-transmembrane-receptor-ror1-ror1/278913>