VARP Blocking Peptide

PRODUCT OVERVIEW

Product Name	VARP (ANKRD27), Blocking Peptide
Full Product Name	VARP Peptide
Product Gene Name	ANKRD27 blocking peptide
Product Synonym Names	VARP; PP12899; Ankyrin repeat domain-containing protein 27; VPS9 domain-containing protein; ankyrin repeat domain 27 (VPS9 domain)
Form/Format	Liquid
Concentration	200 ug/mL (lot specific)
Preparation and Storage	Store VARP peptide at -20 degree C, stable for one year.
Antibody/Peptide Pairs	VARP peptide (MBS152550) is used for blocking the activity of VARP antibody (MBS150855)
Molecular Weight	116,984 Da
Species	Human
Buffer	PBS pH 7.2 (10 mM NaH2PO4, 10 mM Na2HPO4, 130 mM NaCl) containing 0.1% bovine serum albumin and 0.02% sodium azide
Location	16 amino acids near the amino terminus of human VARP.
Applications Tested/Suitable for ANKRD27 blocking peptide	Blocking (BL)
Application Notes for ANKRD27 blocking peptide	VARP peptide is used for blocking the activity of VARP antibody.
Related Product Information for ANKRD27 blocking peptide	MBS152550 is a blocking peptide targeting ANKRD27. Also known as VARP Peptide.
Other Notes	Small volumes of ANKRD27 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 ANKRD27. It may not necessarily be applicable to this product.

NCBI GI #	116063534
NCBI GeneID	84079
NCBI Accession #	NP_115515
UniProt Primary Accession #	Q96NW4
UniProt Secondary Accession #	Q71MF5; Q86UC3; Q8ND80; Q9H0I4
UniProt Related Accession #	Q96NW4
GenBank Nucleotide #	NM_032139.2
NCBI Official Full Name	ankyrin repeat domain-containing protein 27
NCBI Official Synonym Full Names	ankyrin repeat domain 27 (VPS9 domain)

NCBI Official Symbol	ANKRD27
NCBI Official Synonym Symbols	VARP; PP12899
UniProt Protein Name	Ankyrin repeat domain-containing protein 27
UniProt Synonym Protein Names	VPS9 domain-containing protein
Protein Family	Ankyrin repeat domain-containing protein
UniProt Gene Name	ANKRD27
UniProt Entry Name	ANR27_HUMAN
NCBI Protein Information	ankyrin repeat domain-containing protein 27; VPS9-ankyrin-repeat protein; VPS9 domain-containing protein; Vps9 domain and ankyrin-repeat-containing protein
UniProt Comments for ANKRD27	ANKRD27: May be a Rab21 guanine exchange factor and regulate endosome dynamics. Protein type: GEFs; GEFs, Rab Chromosomal Location of Human Ortholog: 19q13.11 Cellular Component: cytoplasmic vesicle membrane; membrane; lysosome; early endosome; late endosome; cytoplasm; plasma membrane; melanosome Molecular Function: protein binding; guanyl-nucleotide exchange factor activity; Rab GTPase binding; GTPase activator activity Biological Process: protein transport; early endosome to late endosome transport; positive regulation of GTPase activity
Research Articles on ANKRD27	**1.** VAMP7-SNARE motif is trapped between Varp and the VAMP7 longin domain, and hence Varp kinetically inhibits the ability of VAMP7 to form SNARE complexes
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