

# PE-01AJS95-P

## KinSub2DDDDYG Peptide Powder

15-mer kinase substrate peptide for assaying Ron (RONa)



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Macrophage-stimulating protein receptor alpha chain
<b>Name Alias:</b>	CD136; CD136 antigen; CDW136; C-met-related tyrosine kinase; Kinase RON; Macrophage stimulating 1 receptor; Macrophage-stimulating protein receptor precursor; MSP receptor; MST1R; PTK8; STK; CCDS2807.1; ENSG00000164078
<b>UniProt ID:</b>	Q04912

### Peptide Structure

<b>Peptide Name:</b>	KinSub2DDDDYG
<b>Peptide Origin:</b>	KinSub2DDDDYG was originally identified using a microarray with peptides that were predicted as optimal substrates for 500 human protein kinases with a proprietary algorithm developed at Kinexus with our academic partners.
<b>Peptide Sequence Location:</b>	Not applicable
<b>Peptide Sequence:</b>	GGGEDDDYGGFGGGG
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	None

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1315.2
<b>% Peptide Purity:</b>	> 95
<b>Peptide Appearance:</b>	White powder
<b>Peptide Form:</b>	Solid
<b>Peptide Solubility:</b>	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
<b>Amount:</b>	1 mg
<b>Storage Conditions:</b>	Frozen at -20°C
<b>Storage Stability:</b>	Over 1 year at -20°C

### Applications

<b>Product Use:</b>	For assaying the phosphotransferase activity of Macrophage-stimulating protein receptor alpha chain (Ron, UniProt ID Q04912). The KinSub2DDDDYG peptide demonstrated very high phosphotransferase activity with Blk, and exhibited medium specificity when assayed with over 200 other protein kinases. A listing of other kinases that show appreciable phosphotransferase activity towards this peptide are listed in Table 1.
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This product is for in vitro research use only and is not intended for use in humans or animals.

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