

# PE-04AVJ01-S

## IRAK4 (439-445) pT342+pT345 Peptide Solution

7-mer immunogen and phosphatase substrate phosphopeptide based on IRAK4

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### Target Protein

<b>Name Long:</b>	Interleukin 1 receptor-associated kinase 4
<b>Name Alias:</b>	Interleukin-1 receptor associated kinase 4; IPD1, REN64, NY-REN-64; IRAK-4
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	Q9NWZ3

### Peptide Structure

<b>Peptide Name:</b>	IRAK4 (439-445) pT342+pT345
<b>Peptide Origin:</b>	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	F439-T445
<b>Peptide Sequence:</b>	FAQ(pT)VM(pT)
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>% Peptide Purity:</b>	Spot
<b>Peptide Appearance:</b>	Clear liquid
<b>Peptide Form:</b>	Solution
<b>Peptide Solubility:</b>	Supplied at 1 mg/ml concentration in 5% DMSO in water
<b>Lot Number:</b>	KMP04CAH-79
<b>Amount:</b>	250 µg
<b>Storage Conditions:</b>	Frozen at -20 °C
<b>Storage Stability:</b>	Over 6 months at -20 °C and 1 mg/ml concentration

### Applications

<b>Product Use:</b>	This phosphopeptide may be useful as a substrate for screening the phosphatase activity of protein phosphatases.
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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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