PE-04ART60-P

ASK1 (832-845) pT836+pT838+pT842 Peptide Powder

13-mer immunogen and phosphatase substrate phosphopeptide based on ASK1 (MAP3K5)

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Apoptosis signal regulating protein-serine kinase 1
Name Alias:	Apoptosis signal regulating kinase 1; Apoptosis signal-regulating kinase 1; ASK-1; Kinase ASK1; M3K5; MAP3K5; MAPK/ERK kinase kinase 5; MAPKKK5; MEK kinase 5; MEKK5; ENSG00000197442
Species Origin:	Human
UniProt ID:	Q99683

Peptide Structure

Peptide Name:	ASK1 (832-845) pT836+pT838+pT842
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	N832-Y845
Peptide Sequence:	NPC(pT)E(pT)FTG(pT)LQY
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1887.7
Observed Peptide Mass:	1887.7
% Peptide Purity:	62
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Lot Number:	KLP04CAA-06
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

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