

PE-01ACR95-P

EIF2S1 (46-57) Peptide Powder

13-mer kinase substrate peptide for assaying EIF2S1



KINEXUS

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

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

Target Protein

Name Long:	Eukaryotic translation initiation factor 2 subunit 1
Name Alias:	EIF2; EIF2A; EIF-2A; EIF-2alpha; EIF-2-alpha; Eukaryotic translation initiation factor 2 subunit 1; Eukaryotic translation initiation factor 2 subunit alpha; Eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa; IF2A
UniProt ID:	P05198

Peptide Structure

Peptide Name:	EIF2S1 (46-57)
Peptide Origin:	Based on EIF2S1 phosphosite
Peptide Sequence Location:	I46-R57
Peptide Sequence:	CILLSELSRRRIR
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Acid
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1614.99
% Peptide Purity:	> 95
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:	E23-58
Amount:	1 mg
Storage Conditions:	Frozen at -20 °C
Storage Stability:	Over 1 year at -20 °C

Applications

Product Use:	For assaying the phosphotransferase activities of MAP kinase-interacting serine-threonine kinase 1 (MNK1, UniProt ID Q9BUB5), Interferon-induced, double-stranded RNA-activated protein kinase (EIF2AK2, UniProt ID P19525), Eukaryotic translation initiation factor 2-alpha kinase 3 (EIF2AK3, UniProt ID Q9NZJ5), and Eukaryotic translation initiation factor 2-alpha kinase 4 (EIF2AK4 (GCN2), UniProt ID Q9P2K8).
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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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