



## Product Data Sheet

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<b>Product Name:</b>	Kemptide	
<b>Catalog Number:</b>	AS-22594 (5 mg) AS-22595 (25 mg)	Lot Number: See label on vial
<b>Sequence:</b>	H-Leu-Arg-Arg-Ala-Ser-Leu-Gly-OH (3-letter code) LRRASLG (1-letter code)	
<b>Molecular Weight:</b>	771.9	
<b>Peptide Purity:</b>	>95%	
<b>Appearance:</b>	Lyophilized white powder	

**Peptide Reconstitution:** Kemptide is freely soluble in water.

**Storage:** Kemptide is shipped at ambient temperature. Upon receipt, store lyophilized peptide at  $-20^{\circ}\text{C}$  or lower. Reconstituted peptide can be aliquoted and stored at  $-20^{\circ}\text{C}$  or lower.

**Description:** Kemptide is a phosphate acceptor peptide that serves as a synthetic substrate for PKA ( $K_m = 16 \mu\text{M}$ ). The corresponding fluorescent and biotinylated peptides are also proven to be good substrates for PKA. Ref: Pfister, TD. and KB. Storey, *Insect Biochem. Mol. Biol.* **32**, 505 (2002); Zelada, A. et al. *Eur. J. Biochem.* **252**, 245 (1998).

### Related Products:

<b>Name</b>	<b>Cat #</b>	<b>Size</b>
Kemptide [LRRASLG], 5-FAM labeled	AS-29933-1	1 mg
5-FAM-LRRASLG	AS-29933-5	5 mg

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