

Mast Cell Degranulating Peptide HR-1
Synthetic Peptide
Catalog # SP2856a**Specification**

Mast Cell Degranulating Peptide HR-1 - Product InformationPrimary Accession
Sequence[P17238](#)
NH2-INLKAIAALVKKVL-CONH2**Mast Cell Degranulating Peptide HR-1 - Additional Information****Other Names**

Mastoparan, Histamine-releasing peptide I, HR-I, MAST

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mast Cell Degranulating Peptide HR-1 - Protein Information**Name** MAST**Function**

Mast cell degranulating peptide (Ref.2, PubMed:2453223). Its mast cell degranulation activity may be related to the activation of \bar{G} - protein coupled receptors in mast cells as well as interaction with other proteins located in cell endosomal membranes in the mast cells (By similarity). Has a membranolytic activity on human glioblastoma multiforme cells (brain tumor cells) that leads to cell necrosis (PubMed:28965321).

Cellular Location

Secreted {ECO:0000269|PubMed:2453223, ECO:0000269|Ref.2}. Target cell membrane Note=Has an amphipathic alpha-helical conformation in a lipid environment.

Tissue Location

Expressed by the venom gland. {ECO:0000305|PubMed:2453223, ECO:0000305|Ref.2}

Mast Cell Degranulating Peptide HR-1 - Images