

Recombinant Murine Midkine

Catalog No: #AP60208

Package Size: #AP60208-1 5ug #AP60208-2 100ug #AP60208-3 500ug

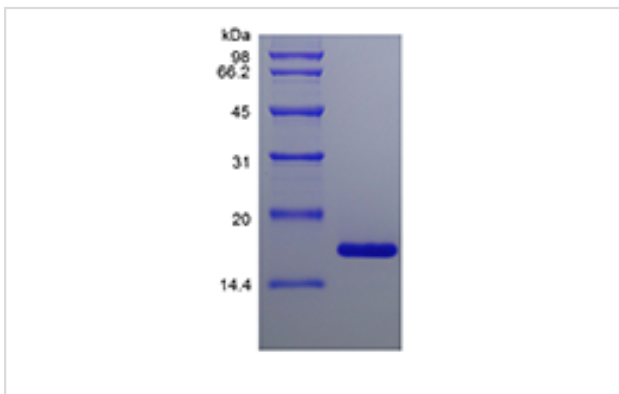
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Description

| | |
|-----------------|--|
| Product Name | Recombinant Murine Midkine |
| Host Species | Escherichia coli. |
| Purification | > 96 % by SDS-PAGE and HPLC analyses. |
| Other Names | Retinoic Acid-induced Differentiation Factor |
| Uniprot | P12025 |
| GeneID | 17242 |
| Calculated MW | Approximately 13.2 kDa, a single non-glycosylated polypeptide chain containing 120 amino acids. |
| Target Sequence | VAKKKEKVKK GSECSEWTWG PCTPSSKDCG MGFREGTCGA QTQRVHCKVP CNWKKEFGAD CKYKFESWGA CDGSTGTKAR QGTLKKARYN AQCQETIRVT KPCTSKTKSK TKAKKGGKGD |
| Formulation | Lyophilized from a 0.2 µm filtered concentrated solution in 2 x PBS, pH7.4. |
| Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution. |

Images



Background

Midkine, also named MK, MK1, NEGF 2, is belonging to the neurotrophic and developmentally-regulated heparin-binding molecules family. It is encoded by the MDK gene. The Midkine protein includes fiveB intrachainB disulfideB bonds which hold two domains and there are three antiparallel beta-sheets in each domain. A chondroitin sulfate proteoglycan, protein-tyrosine phosphatase zeta (PTPzeta), is a receptor for MK. MK promotes the growth, survival, and migration of various cells, and plays roles in neurogenesis and epithelial mesenchymal interactions during organogenesis. The predicted molecular weight is approximately 13.3 kDa, based on a mature peptide length of 118 amino acid residues in the mouse and 121 amino acid residues in the human. Across species, MK shows 87 % identity between the human and murine proteins.

Note: This product is for in vitro research use only