Product Datasheet

Recombinant Murine Midkine

Catalog No: #AP60208

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

Orders: order@signalwayantibody.com
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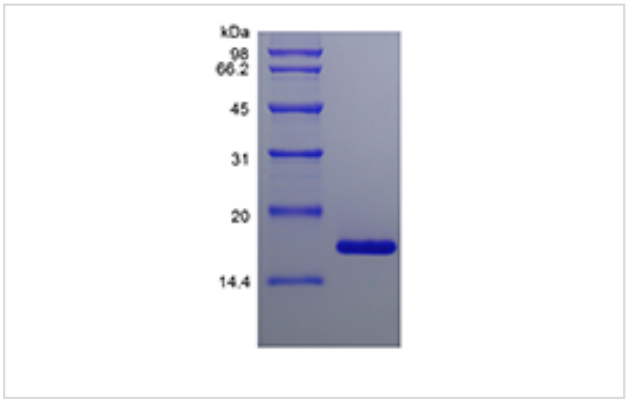
Description

Product Name	Recombinant Murine Midkine
Host Species	Escherichia coli.
Purification	> 96 % by SDS-PAGE and HPLC analyses.
Other Names	Retinoic Acid-induced Differentiation Factor
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 TKAKKGKGKD
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. -□A minimum of 12 months from date of receipt, when stored at ≤-20 °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 fiveθ• ½intrachainθ• ½disulfideθ• ½bonds 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 and is not intended for use in humans or animals.