

Midkine Human Recombinant, His Tag

Item Number	rAP-2688
Synonyms	NEGF-2, Neurite Growth-Promoting Factor 2, MK, Neurite outgrowth-promoting protein, Midgestation and kidney protein, Amphiregulin-associated protein, ARAP, Neurite outgrowth-promoting factor 2, FLJ27379, Midkine, MK1, NEGF2.
Description	Midkine Human Recombinant is manufactured with N-terminal fusion of His Tag, having a molecular mass of 14.6 kDa protein and containing 121 amino acid residues of the Midkine human and 10 additional amino acid residues – His Tag (underlined).
Uniprot Accession Number	P21741
Amino Acid Sequence	MKHHHHHHHM KKKDKVKKGG PGSECAEWAW GPCTPSSKDC GVGFREGTCG AQTQRIRCRV PCNWKKEFGA DCKYKFENWG ACDGGTGTKV RQGTLLKKARY NAQCQETIRV TKPCTPKTKA KAKKGGKGK D.
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Formulation and Purity	Lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.1M NaCl, pH 7.2. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	Add 0.2 ml of PBS pH 7.2 and let the lyophilized pellet dissolve completely.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**