

## Overview

<b>Synonyms</b>	NAP-2/CXCL7, Human
<b>Description</b>	<p><b>Chemokine (C-X-C motif) ligand(CXCL7)</b> is a small cytokine belonging to the CXC chemokine family. It is an isoform of Beta-Thromboglobulin or Pro-Platelet basic protein (PPBP). CXCL7 can signal through the CXCR1 and CXCR2 receptors. It is a protein that is released in large amounts from platelets following their activation. It stimulates various processes including mitogenesis, synthesis of extracellular matrix, glucose metabolism and synthesis of plasminogen activator.</p> <p>Recombinant <b>human NAP-2/CXCL7</b> produced in CHO cells is a single polypeptide chain containing 70 amino acids. A fully biologically active molecule, rhNAP-2/CXCL7 has a molecular mass of 9 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.</p>
<b>Accession No</b>	P02775
<b>Species</b>	Human
<b>Source</b>	CHO
<b>Biological Activity</b>	The EC <sub>50</sub> value of human NAP-2/CXCL7 on Ca <sup>2+</sup> mobilization assay in CHO-K1/Ga15/hCXCR1 cells (human Ga15 and human CXCR1 stably expressed in CHO-K1 cells) is less than 0.1 µg/ml.
<b>Sequence</b>	AELRCMCIKT TSGIHPKNIQ SLEVIGKGTH CNQVEVIATL KDGRKICLDP DAPRIKKIVQ KKLAGEDESAD

## Properties

<b>Measured Molecular Weight</b>	9 kDa, observed by reducing SDS-PAGE.
<b>Purity</b>	> 98% as analyzed by SDS-PAGE.
<b>Formulation</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 µg/ml.
<b>Endotoxin Level</b>	< 0.2 EU/µg, determined by LAL method.
<b>Storage</b>	Lyophilized recombinant <b>humanNAP-2/CXCL7</b> remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, human NAP-2/CXCL7 should be stable up to 1 week at 4°C or up to 2 months at -20°C.
<b>Note</b>	For research use only

India Contact:

**Life Technologies (India) Pvt. Ltd.**

306, Aggarwal City Mall, Opposite M2K Pitampura,  
 Delhi – 110034 (INDIA).

Mobile: +91-9810521400, Ph: +91-11-42208000

Email: [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com)

Web: [www.lifetechindia.com](http://www.lifetechindia.com)