



# L-Phenylalanine [G-BSA] (DAG3391)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	L-Phenylalanine, G-BSA-conjugated
<b>Specificity</b>	L-Phenylalanine conjugated with glutaraldehyde (G) and bovine serum albumin (BSA).
<b>Species</b>	N/A
<b>Conjugate</b>	G-BSA
<b>Applications</b>	immunohistochemistry and immunocytochemistry
<b>Reconstitution</b>	Reconstituted in deionized water (250 µg)
<b>Format</b>	Lyophilized
<b>Size</b>	1 mg
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

<b>Introduction</b>	<p>Phenylalanine is the most commonly found aromatic, essential amino acid. In a normal individual it is converted to tyrosine, which in turn is used to synthesise dopamine and norepinephrine (nerurotransmitters). Phenylalanine takes three differnt forms; L-, D-and DL-. The L-form is the most common and the type in which it is incorporated into the body"s proteins. The D-form acts as a painkiller and the DL-a combination of the two. Phenylalanine is used to elevate mood as it is involved with the nervous system, it can also aid memory and learning and can been used as an appetite suppressant. Treatment with phenylalanine can be beneficial in sufferes of Parkinson"s disease, to treat depression and the D form may also be helpful in the treatment of chronic pain in both osteo-arthritis and rheumatoid arthritis.</p>
---------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------