

32-7173: Recombinant Human Grancalcin/GCA

Gene : GCA
Gene ID : 25801
Uniprot ID : P28676

Description

Source: E.coli.
MW :24.01kD.

Recombinant Human Grancalcin is produced by our E.coli expression system and the target gene encoding Met1-Ile217 is expressed. Grancalcin (GCA) is a cytoplasmic granule membrane protein that contains 4 EF-hand domains. GCA is calcium-binding protein and particularly abundant in human neutrophils. GCA is highly expressed in bone marrow, and it can be detected in neutrophils and macrophages. Calcium-binding protein GCA cooperates with SRI and LCP1, so it may play a role in the adhesion of neutrophils to fibronectin. GCA also may play a role in the formation of focal adhesions.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 1mM EDTA, pH 8.5.
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.
Storage condition : Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : MAYPGYGGGFGNFSIQVPGMQMGQPVPETGPAILLDGYSGPAYSDTYSSAGDSVYTYFSAVAGQDGEVDAEE
LQRCLTQSGINGTYSPFSLETGRIMIAMLRDHTGKMGFNAFKELWAALNAWKENFMTVDQDGSQTVEHHEL
RQAIGLMGYRLSPQTLTTIVKRYSKNGRIFDDYVACCVKLRLALTDFFRKRDHLQQGSANFIYDDFLQGTMAI

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.