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Datasheet for ABIN2115461

Annexin A3 Protein (ANXA3) (AA 1-323)

Overview

Quantity:	50 µg
Target:	Annexin A3 (ANXA3)
Protein Characteristics:	AA 1-323
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Annexin A3/ANXA3
Sequence:	<p>MASIWVGHRG TVRDYPDFSP SVDAEAIQKA IRGIGTDEKM LISILTERSN AQRQLIVKEY QAAYGKELKD DLKGDLSGHF EHLMVALVTP PAVFDAKQLK KSMKGAGTNE DALIEILTTR TSRQMKDISQ AYYTVYKKS L GDDISSETSG DFRKALLTLA DGRRDESLKV DEHLAKQDAQ ILYKAGENRW GTDEDKFTEI LCLRSFPQLK LTFDEYRNIS QKDIVDSIKG ELSGHFEDLL LAIVNCVRNT PAFLAERLHR ALKGIGTDEF TLNRIMVSRS EIDLLDIRTE FKKHYGYSLY SAIKSDTSGD YEITLLKICG GDD</p>
Characteristics:	Recombinant Human 35-alpha calcimedlin is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Asp323) of Human ANXA3.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Annexin A3 (ANXA3)
Alternative Name:	Annexin A3 (ANXA3 Products)
Background:	<p>Annexin A3(ANXA3)contains 4 annexin repeats and belongs to the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. It is abnormally expressed in fetuses of both IVF and ICSI, which may contribute to the increase risk of birth defects in these ART.</p> <p>ANXA3 is Inhibitor of phospholipase A2 and cleaves the cyclic bond of inositol 1,2-cyclic phosphate to form inositol 1-phosphate. it also also play a role in anti-coagulant properties.</p> <p>Synonyms: 35-alpha calcimedien,Annexin III,Annexin-3,Inositol 1,2-cyclic phosphate 2-phosphohydrolase,Lipocortin III,Placental anticoagulant protein III,PAP-III,ANX3</p>
Molecular Weight:	36.4 kDa
UniProt:	P12429

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>