

## ANXA2

### Recombinant Human Annexin A2 His

<b>Catalog No.</b>	CS463A CS463B CS463C	<b>Quantity:</b>	5 µg 20 µg 1 mg
<b>Alternate Names:</b>	ANX2, ANX2L4, CAL1H, LIP2, LPC2, LPC2D, P36, PAP-IV, HEL-S-270		
<b>Description:</b>	<p>Annexin A2 is part of the annexin family and is involved in the regulation of cellular growth and in signal transduction pathways. ANXA2 protein functions as an autocrine factor which increases osteoclast formation and bone resorption. ANXA2 is associated with sickle cell osteonecrosis. Reduced ANXA2 expression is associated with osteosarcoma metastases. ANXA2 is part of the putative cell surface vitamin D binding protein binding site complex and functions to mediate the chemotactic cofactor effect. ANXA2 is involved in dysferlin deficiency and in muscular dystrophies. Human colon adenocarcinoma cell differentiation is related with an up-regulation of ANXA2.</p> <p>Recombinant Human ANXA2 is a single, non-glycosylated, polypeptide chain containing 376 amino acids (aa 1-339) fused to a 37 aa His-Tag at N-Terminus.</p>		
<b>Gene ID:</b>	302		
<b>Source:</b>	<i>E. coli</i>		
<b>Formulation:</b>	Sterile filtered colorless solution containing 20 mM Tris, pH 8, + 0.1 M NaCl + 10% glycerol.		
<b>Purity:</b>	>95% as determined by SDS-PAGE.		
<b>Amino Acid Sequence:</b>	<p><b><u>MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMST VHEILCKLSL</u></b>            EGDHSTPPSA YGSVKAYTNF DAERDALNIE TAIKTKGVDE VTIVNILTNR            SNAQRQDIAF AYQRRTKKEL ASALKSALSG HLETVILGLL KTPAQYDASE            LKASMKGLGT DEDSLIEIIC SRTNQELQEI NRVYKEMYKT DLEKDIISDT            SGDFRKL MVA LAKGRR AEDG SVIDYELIDQ DARDLYDAGV KRKGT DVPKW            ISIMTERSVP HLQKVFD RYK SYSPYD MLES IRKEVKGDLE NAFLNLVQCI            QNKPLYFADR LYDSMKGKGT RDKVLIRIMV SRSEVDMLKI RSEFKRKYGK            SLYYYIQQDT KGDYQKALLY LCGGDD.</p>		
<b>Storage &amp; Stability:</b>	Store at 2-4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). <b>Avoid repeated freeze-thaw cycles.</b>		

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