ARC Protein, Human

Cat. No.:	HY-P7540
Synonyms:	rHuARC; NOL3; ARC
Species:	Human
Source:	E. coli
Accession:	O60936 (M1-S208)
Gene ID:	8996
Molecular Weight:	Approximately 29.0 kDa

PROPERTIES

AA Sequence	M G N A Q E R P S E T I D R E R K R L V E T L Q A D S G L L L D A L L A R G V L T G P E Y E A L D A L P D A E R R V R R L L L L V Q G K G E A A C Q E L L R C A Q R T A G A P D P A W D W Q H V G P G Y R D R S Y D P P C P G H W T P E A P G S G T T C P G L P R A S D P D E A G G P E G S E A V Q S G T P E E P E P E L E A E A S K E A E P E P E P E P E L E P E A E A E P E P E L E P E P D P E P E P D F E E R D E S E D S
Appearance	Solution.
Formulation	Supplied as a 0.2 μm filter solution of 20 mM Tris-HCl, 100 mM NaCl, 1 mM DTT, 2 mM β-ME, 20% Glycerol, pH 7.5.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	Recombinant Human ARC (hArc) appears to be pyramid-shaped as a monomer and is capable of reversible self-association, forming large soluble oligomers. The N-terminal domain of Recombinant Human ARC is highly basic, which may promote interaction with cytoskeletal structures or other polyanionic surfaces, whereas the C-terminal domain is acidic and stabilized by ionic conditions that promote oligomerization[1].

REFERENCES

[1]. Craig Myrum, et al. Arc Is a Flexible Modular Protein Capable of Reversible Self-Oligomerization. Biochem J. 2015 May 15;468(1):145-58.

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