

BOC Protein, Human (HEK293, His)

Cat. No.:	HY-P7671
Synonyms:	rHuBOC, His; BOC protein; BOC
Species:	Human
Source:	HEK293
Accession:	Q96DN7 (A30-S157)
Gene ID:	91653
Molecular Weight:	20-38 kDa

PROPERTIES

AA Sequence	<pre> ADLNEVPQVT VQPASTVQKP GGTVILGCVV EPPRMNVTWR LNGKELNGSD DALGVLITHG TLVITALNNH TVGRYQCVAR MPAGAVASVP ATVTLASESA PLPPCHGAVP PHLSHPEAPT IHAASCYSHH HHHH </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	BOC is a member of the Ig/FNIII repeat family of receptor-like proteins. BOC has a four Ig plus three FNIII structure in its ectodomain, but is much more closely related to CDO at the amino acid level than are the Robo axon guidance receptors, despite the latter sharing a 5 + 3 structure with CDO ^[2] .
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REFERENCES

[1]. Kang JS, et al. BOC, an Ig superfamily member, associates with CDO to positively regulate myogenic differentiation. EMBO J. 2002;21(1-2):114-124.

Caution: Product has not been fully validated for medical applications. For research use only.

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