

B7-H2/ICOSLG Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P76393
Synonyms:	ICOS ligand; B7-H2; ICOSLG; LICOS; B7RP-1; CD275
Species:	Cynomolgus
Source:	HEK293
Accession:	XP_005548617.1 (M1-T256)
Gene ID:	102132485
Molecular Weight:	50-70 kDa.

PROPERTIES

Biological Activity	Human ICOS, hFc Tag captured on CM5 Chip via Protein A can bind Cynomolgus B7-H2, His Tag with an affinity constant of 5.42 nM as determined in SPR assay (Biacore T200).
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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.
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	ANGPT1 encodes a secreted glycoprotein in the angiopoietin family and is a key ligand in the vasotirosine kinase signaling pathway. ANGPT1 stimulates angiogenesis by activating PTK2/FAK and downstream kinase MAPK1/ERK2 and MAPK3/ERK1 signaling pathways. The Angiopoietin-1 Protein regulates the formation and stability of blood vessels and plays an important role in vascular development. ANGPT1 affects the proliferation, migration and differentiation of skeletal muscle cells ^{[1][2][3]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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