

Recombinant Human ICOS protein

ICOS-1628H Human

Lot. No. (See product label)

Specification

Product Overview	Recombinant Human ICOS was expressed in NS0.
Source	NS0
Species	Human
Form	This recombinant protein was 0.2 µm filtered and lyophilized from modified Dulbecco's phosphate buffered saline (1X PBS) pH 7.2 – 7.3 with no calcium, magnesium, or preservatives.
Bio-activity	The biological activity of Human ICOS was determined by the ability to inhibit human T cell proliferation induced by rhB7H2/Fc Chimera in the presence of antiCD3. Wang, S. et al. (2000) Blood 96:2808. The expected ED50 is 1 - 4 µg/ml in the presence of 3 µg/ml rhB7H2/Fc Chimera and antiCD3 immobilized at 20 ng/ml.
Molecular Mass	The predicted molecular weight of Recombinant Human ICOS is Mr 40.3 kDa (monomer). However, the actual molecular weight as observed by migration on SDS Page is Mr 50-60 kDa.
AA Sequence	eingsanyem fifhnggvqi lckypdivqq fkmqllkggq ilcdltktkg sgvtsiksI kfchsqslnn svsflynlD hshanyyfcN lsifdpppfk vlttgylhi yesqlccqk fiegrmdpks cdkthtppc papellggps vffppkpkd tlmisrtpv tcvvvdvshe dpevkfnwyv dgvevhnaKt kpreeqynst yrvsvltvl hqdwlngkey kckvsnkalp apiektiska kgqprepqvy tlpdsrdelt knqvsltclv kgfypsdiav ewesngqpen nykttppvld sdgsfflysk ltvdksrwqq gnvfscsvmh ealhnhytqk slslspgk
Endotoxin	<1.0 EU/µg as determined by the LAL method
Purity	>90% by SDS-PAGE and analyzed by silver stain.
Storage	This lyophilized protein is stable for six to twelve months when stored desiccated at -20 centigrade to -70 centigrade. After aseptic reconstitution, this protein may be stored at 2 centigrade to 8 centigrade for one month or at -20 centigrade to -70 centigrade in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.
Gene Information	
Gene Name	ICOS inducible T-cell co-stimulator [Homo sapiens]
Official Symbol	ICOS
Synonyms	ICOS; inducible T-cell co-stimulator; inducible T-cell costimulator; activation inducible lymphocyte immunomediatory molecule; AILIM; CD278; inducible costimulator; activation-inducible lymphocyte immunomediatory molecule; CVID1; MGC39850;
Gene ID	29851

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mRNA Refseq [NM_012092](#)

Protein Refseq [NP_036224](#)

MIM [604558](#)

UniProt ID [Q9Y6W8](#)

Chromosome
Location 2q33

Pathway

Adaptive Immune System, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Costimulation by the CD28 family, organism-specific biosystem; Immune System, organism-specific biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem;

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