

## Product datasheet for PH308975

### ICOS Ligand (ICOSLG) (NM\_015259) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ICOSLG MS Standard C13 and N15-labeled recombinant protein (NP_056074)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208975
Predicted MW:	33.3 kDa
Protein Sequence:	>RC208975 protein sequence Red=Cloning site Green=Tags(s)  MRLGSPGLLFLLFSSLRADTQEKEVRAMVGSDELSCACPEGSRFDLNDVYVYWQTSSEKTVVYHIPQN SSELENVDSRYRNRALMSPAGMLRGDFSLRFLFNVTPQDEQKFHCLVLSQSLGFQEVLSVEVTLHVAANFSV PVVSAPHSPSQDELFTTCTCTSINGYPRPNVYWINKTDNSLLDQALQNDTVFLNMRGLYDVVSVLRIARTPS VNI GCCIENVLLQQNLTVGSQTGNDIGERDKITENPVSTGEKNAATWSILAVLCLLVVVAVAIGWVCRDR CLQHSYAGAWAVSPETELTGHV  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_056074</a>
RefSeq Size:	3320
RefSeq ORF:	906
Synonyms:	B7-H2; B7h; B7H2; B7RP-1; B7RP1; CD275; GL50; ICOS-L; ICOSL; LICOS
Locus ID:	23308



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UniProt ID: [O75144](#), [A0N0L8](#)

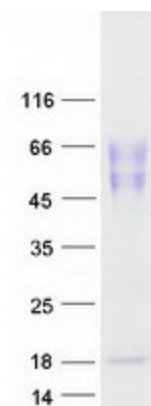
Cytogenetics: 21q22.3

**Summary:** Ligand for the T-cell-specific cell surface receptor ICOS. Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; induces also B-cell proliferation and differentiation into plasma cells. Could play an important role in mediating local tissue responses to inflammatory conditions, as well as in modulating the secondary immune response by co-stimulating memory T-cell function (By similarity).[UniProtKB/Swiss-Prot Function]

**Protein Families:** Transmembrane

**Protein Pathways:** Cell adhesion molecules (CAMs)

### Product images:



Coomassie blue staining of purified ICOSLG protein (Cat# [TP308975]). The protein was produced from HEK293T cells transfected with ICOSLG cDNA clone (Cat# [RC208975]) using MegaTran 2.0 (Cat# [TT210002]).