

PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Target	CD63
Synonyms	LAMP-3; ME491; MLA1; OMA81H; TSPAN30
Description	Human CD63-Strep full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	P08962
Expression Host	HEK293
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Lysosome
Molecular Weight	The human full length CD63-Strep protein has a MW of 25.6 kDa
Formulation & Reconstitution	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
Storage & Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	The protein is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. The encoded protein is a cell surface glycoprotein that is known to complex with integrins. It may function as a blood platelet activation marker. Deficiency of this protein is associated with Hermansky-Pudlak syndrome. Also this gene has been associated with tumor progression. Alternative splicing results in multiple transcript variants encoding different protein isoforms.
Usage	Research use only
Conjugate	Unconjugated

