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Product Name :

Polypeptide Molecular Model Kit

Product Code :

SLE/Mo/08



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Description :

Polypeptide Molecular Model Kit (Product Code: SLE/Mo/08) is a self-assembly kit used tobuild and demonstrate the molecular structure of a polypeptide chain in biology and chemistrylessons. Designed for students, it contains five peptide units, 30 atom parts, 12 NV links and onetool, giving learners a hands-on way into protein chemistry. **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of school chemistry lab equipment in India, makes this kitat its own factory in Ambala.

Specifications

Parameter	Detail
Model type	Self-assembly molecular model
Peptide units	5
Atom parts	30
NV links	12
Tool	1
Intended users	Students
Product code	SLE/Mo/08
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Polypeptide Model Kit Used For?

A polypeptide is a chain of amino acids joined by peptide bonds, each formed in a condensation reaction that releases water. The order of amino acids along the chain decides how it folds and therefore what the finished protein does. Building the chain unit by unit shows the repeating backbone and the peptide bond that links one unit to the next.

A typical lesson starts with students identifying a single peptide unit, then joining all five into a short chain with the links. Teachers can then ask how changing one unit might alter the shape and function of the molecule, which leads naturally into protein folding and enzymes. The single tool included in this biology model kit should stay with the parts so the next group has everything it needs.

What to Specify When Ordering

- Number of kits — each kit holds five peptide units for one self-assembly build.
- How many student groups will work at the same time.
- Any amino acid or alpha helix models you want quoted in the same order.

OEM Manufacturer

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direct

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