

Fructosyl-Peptide Oxidase (FPOX)

Product Information

Cat#	DIA-703
Descriptions	Fructosyl-peptide Oxidase (FPOX) acts on fructosyl peptides and fructosyl proteins to catalyze their oxidation and release hydrogen peroxide, exhibits higher affinity for glycosylated peptide substrates than FAOD, and is widely used in enzymatic HbA1c detection systems.
Applications	Fructosyl-peptide Oxidase (FPOX) is widely applied in HbA1c detection kits and glycosylated protein level assay reagent development.
CAS No.	153302-42-2
Enzyme Commission Number	EC 1.5.3
Enzyme Source	Recombinant from microorganism.
Form	Yellow amorphous powder, lyophilized
Activity	≥ 4 U/mg
Activity Definition	One unit (U) is defined as the amount of enzyme which produces 1 μmol of H ₂ O ₂ per min under the conditions described below.
Purity	≥ 90% by SDS-PAGE
Storage	At least one year at -20 °C.