

# Probable beta-1,4-xylosyltransferase IRX14 (IRX14), Recombinant Protein

Cat      *RP05357*

---

## Species

*Arabidopsis thaliana* (Mouse-ear cress)

## Full Product Name

Recombinant *Arabidopsis thaliana* Probable beta-1,4-xylosyltransferase IRX14 (IRX14) , partial

## Product Gene Name

IRX14 recombinant protein

## Product Synonym Gene Name

IRX14

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

59,099 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## Protein Family

Probable beta-1,4-xylosyltransferase

## NCBI Accession #

NP\_195407.2

## NCBI GI #

30690793

## NCBI GenBank Nucleotide #

NM\_119853.4

## NCBI GeneID

829842

## NCBI Official Full Name

Nucleotide-diphospho-sugar transferases superfamily protein

## NCBI Official Symbol

IRX14

---

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

---

# Probable beta-1,4-xylosyltransferase IRX14 (IRX14), Recombinant Protein

Cat      *RP05357*

---

## NCBI Official Synonym Symbols

AP22.51; AP22\_51; irregular xylem 14

## NCBI Protein Information

Nucleotide-diphospho-sugar transferases superfamily protein

## NCBI Summary

The IRX14 gene encodes a putative family 43 glycosyl transferase that contributes to xylan biosynthesis. It was identified based on its gene expression co-variance with the IRX3 gene involved in secondary cell wall synthesis. A biochemical assay using the *irx14* mutant indicates that IRX14 might function in xylose chain elongation.

## UniProt Gene Name

IRX14

## UniProt Protein Name

Probable beta-1,4-xylosyltransferase IRX14

## UniProt Synonym Protein Names

Protein IRREGULAR XYLEM 14; Xylan xylosyltransferase IRX14

## UniProt Primary Accession #

Q8L707

## UniProt Secondary Accession #

O23194

## UniProt Related Accession #

Q8L707

## UniProt Comments

Involved in the synthesis of the hemicellulose glucuronoxylan, a major component of secondary cell walls. Probably involved in the elongation of glucuronoxylan xylosyl backbone.

---

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**