APE2 encodes one of four leucine aminopeptidases in yeast. It has sequence similarity to members of the zinc-dependent metallopeptidase gene family. Ape2p seems to be involved in peptide metabolism, in the cellular supply of leucine from externally offered leucine-containing dipeptide substrates. Ape2p has also been referred to as Lap1p, and aminopeptidase yscII. Ape2p is distributed in the periplasmic space and cytoplasm.