

Supplementary/Supporting Information

Fig. S1 Compatibility triangles in part of SrO-MgO-P₂O₅ systems and the representative compounds.

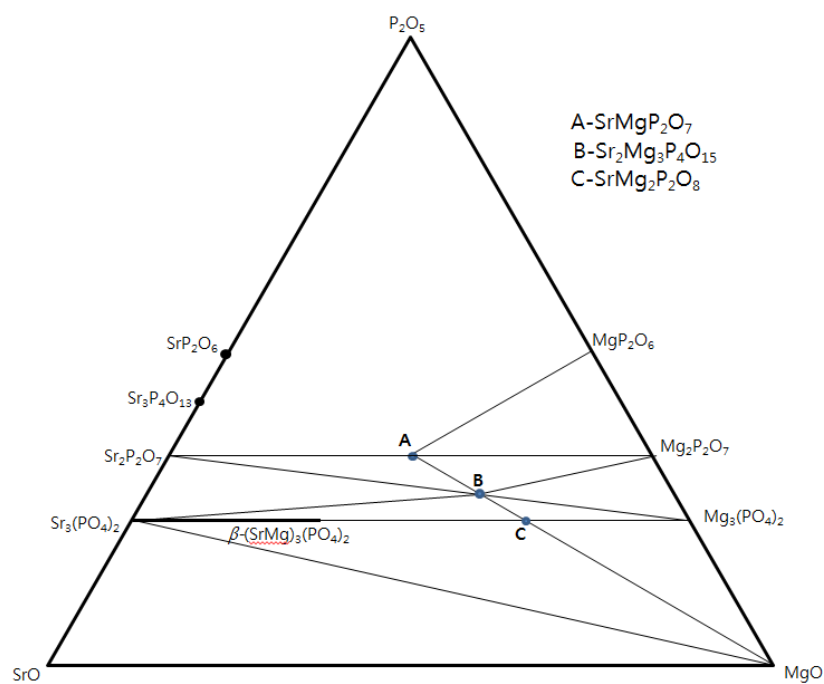


Fig. S2 Emission spectra of the Eu^{2+} (black line) or Mn^{2+} (red line) singly doped strontium magnesium phosphates; (a) SrMgP_2O_7 , (b) $\text{SrMg}_2\text{P}_2\text{O}_8$ and (c) $\text{Sr}_2\text{Mg}_3\text{P}_4\text{O}_{15}$.

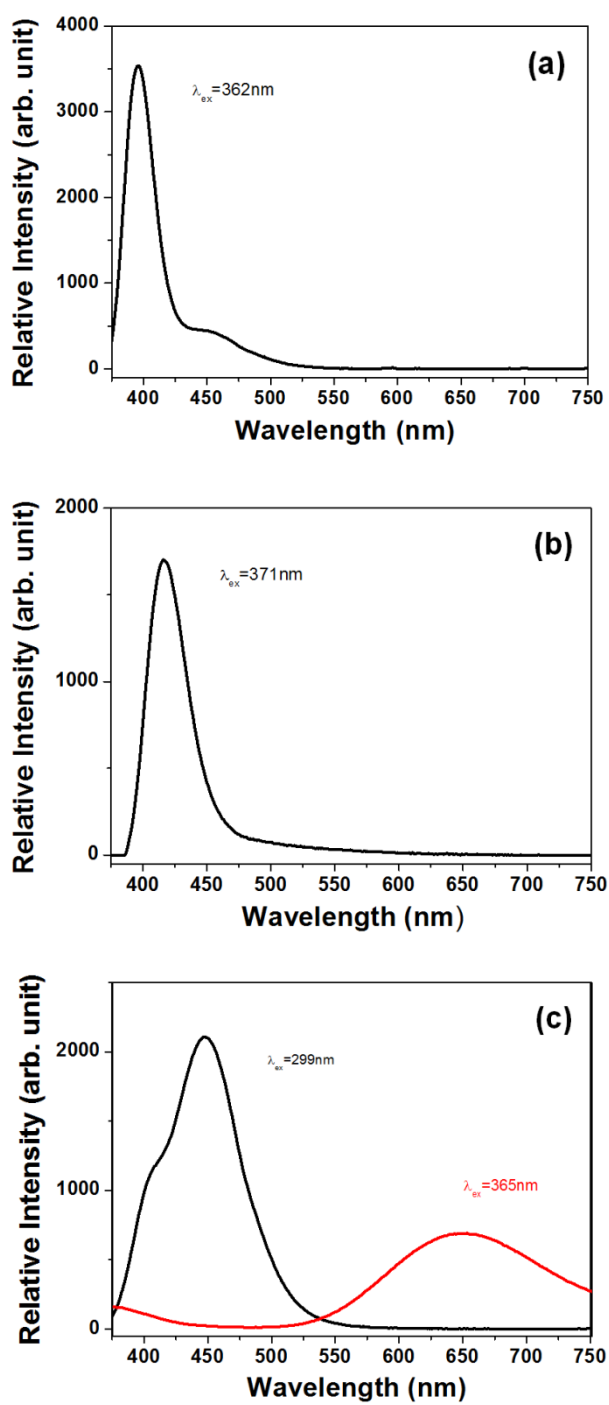


Fig. S3 Comparative emission spectra of the $\text{Eu}^{2+}/\text{Mn}^{2+}$ codoped strontium magnesium phosphates, SrMgP_2O_7 , $\text{SrMg}_2\text{P}_2\text{O}_8$ and $\text{Sr}_2\text{Mg}_3\text{P}_4\text{O}_{15}$.

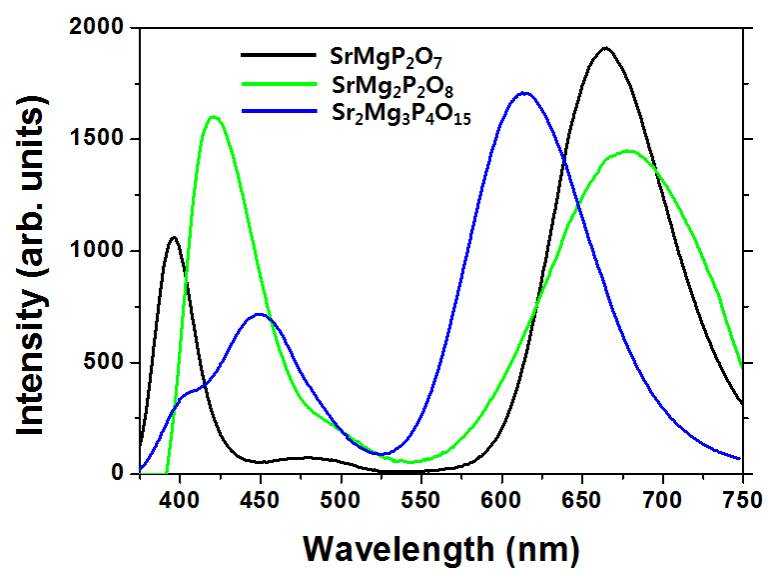


Fig. S4 Views of the structure along (001) with the $\text{Sr}_{2+x}\text{Mg}_{3-x}\text{P}_4\text{O}_{15}$ unit cell outlines.

