

## Function of *Drosophila* IDGF2 protein

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IDGF2 is the prototypical member of *Drosophila* imaginal disc growth factor family described in 1999 by Kaz Kawamura. We characterized the effects of recombinant IDGF2 on tissue culture cells *in vitro*, as well its overexpression *in vivo*. We show that it has pleiotropic effects on cell survival and cell protection from starvation or toxic effects of some metabolites. We also show that in addition of being an immune-inducible gene, IDGF2 alone can prime the innate immunity response.