

## Product Datasheet

### Immunoprecipitation Kit (orb342267)

<b>Catalog Number</b>	orb342267
<b>Description</b>	Immunoprecipitation Kit
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	IP, SDS-PAGE
<b>Preservatives</b>	None
<b>Storage</b>	See kit insert for complete instructions.
<b>Note</b>	For research use only
<b>Application notes</b>	<p>Biorbyt' Anti-DYKDDDDK (FLAG) Kit for Immunoprecipitation is intended to provide a simple, reliable and convenient purification system for recombinant proteins containing the FLAG epitope tag. Immunoprecipitation is a powerful technique for the isolation of proteins or protein complexes.</p> <p>Immunoprecipitation consists of several steps including cell lysis, binding of specific antigen to an antibody, antibody-antigen complex precipitation, precipitant wash steps and the dissociation of antigen from the complex. The FLAG epitope tag is a small but highly immunogenic peptide DYKDDDDK (N-Asp-Tyr-Lys-Asp-Asp-Asp-Lys-C), which allows fusion proteins to retain their original conformation and function. The hydrophilic character of FLAG increases the likelihood that it will be located on the surface of the fusion protein where it is accessible to antibodies. Biorbyt' Anti-DYKDDDDK (FLAG) Kit for Immunoprecipitation allows a rapid and efficient immunoprecipitation and elution of an active FLAG -tagged recombinant protein in less than 2 hours. The immunoprecipitation is performed with anti-FLAG antibody coupled to agarose beads, which are generated by covalently linking agarose to a highly specific mouse monoclonal antibody raised against FLAG. The provided protocol is a guideline. Any procedure can be altered according to specific experimental requirements. This kit is sufficient to perform 50 X 20 µL reactions and is stable for at least 1 year when stored as indicated.</p>

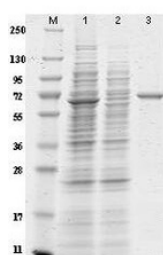
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<b>Purity</b>	This kit contains: anti-FLAG coupled to agarose; FLAG positive control lysate; 2X SDS-PAGE Sample Buffer; Neutralization Buffer; 1X Lysis Buffer; 10X Wash Buffer; Elution Buffer; along with additional instructions and supplies (see protocol).
<b>Dilution Range</b>	IP: User Optimized
<b>Expiration Date</b>	Please enquire.



Coomassie stained SDS-PAGE using Anti-DYKDDDDK (FLAG®) Kit for Immunoprecipitation to purify recombinant proteins containing the FLAG® epitope tag from an E.coli cell lysate. Lane 1- cell lysate before immunoprecipitation. Lane 2- cell lysate after immunoprecipitation showing depletion of protein. Lane 3 - purified FLAG® -tagged recombinant protein.

**Biorbyt Ltd.**

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