

Product datasheet for BA254

Beta-galactosidase tag *Escherichia coli* Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Beta-galactosidase tag e. coli protein, 5 mg
Species:	<i>Escherichia coli</i>
Purity:	600U/mg
Buffer:	State: Lyophilized purified protein from <i>Escherichia coli</i> Buffer System: PBS Stabilizer: 74% Sucrose
Bioactivity:	Specific: > 600 U/mg protein. One unit hydrolyses 1 μ mole of p-nitrophenol-b-D-galactoside to p-nitrophenol per minute at 37°C.
Reconstitution Method:	Restore with sterile distilled water or a dilute buffer of choice. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. We recommend that the vial is gently mixed after reconstitution.
Preparation:	Lyophilized purified protein from <i>Escherichia coli</i>
Applications:	Functional Assays.
Protein Description:	Purified Beta-Galactosidase from E.coli.
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store the protein undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Summary:	<i>Escherichia coli</i> Beta-Galactosidase is an inducible tetrameric enzyme coded by the lac Z gene of the lac operon that is often used as a reporter to assess the efficiency of transfection. It is a metalloenzyme that splits lactose into glucose and galactose. It hydrolyzes terminal, non-reducing beta-D-galactose residues in beta-D-galactosides.



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