

## Beta-galactosidase Enzyme Donor (P2010004)

<b>Catalog number:</b>	P2010004
<b>Lot number:</b>	0119P0004
<b>Expiration date:</b>	03/18/2023
<b>Molecular Weight:</b>	11 kDa (99 amino acids)
<b>Other names:</b>	Beta-galactosidase Alpha Peptide
<b>Source:</b>	Recombinant
<b>Tag:</b>	(His) <sub>6</sub>
<b>Size:</b>	0.1 mg, 0.5 mg, 1.0 mg
<b>Storage:</b>	-20°C. Avoid repeated freeze/thaw cycles.
<b>Supplied as:</b>	White lyophilized powder.
<b>Suggested buffer:</b>	Beta-galactosidase Enzyme Donor Stabilization Buffer (B2010001)
<b>Keywords:</b>	Beta-galactosidase Alpha Peptide, Enzyme Donor, alpha complementation, LacZ.
<b>Product Description:</b>	Beta-galactosidase Enzyme Donor (also known as Alpha Peptide fragment) can complement the Beta-galactosidase Enzyme Acceptor (also known as Omega domain) to reconstitute an active Beta-galactosidase enzyme. This phenomenon, known as alpha complementation, can be exploited to develop assays by conjugating the Beta-galactosidase Alpha Peptide fragment to various analytes. The sequence of the enzyme donor has been specifically engineered to include a unique central cysteine that can be used for analyte conjugation.
<b>Related products:</b>	Beta-galactosidase Enzyme Acceptor (Omega Domain), Beta-galactosidase Enzyme Donor Stabilization Buffer, Beta-galactosidase Alpha Complementation Kit.

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**WARNING:** This product is for **Research Use Only (RUO)**. This product is not for administration to humans or animals. This product is not for human or veterinary diagnostic or therapeutic use.

**SAFETY:** User must review the **Material Safety Data Sheet (MSDS)** provided with this product. In addition, this product should not be ingested, inhaled, swallowed or put in contact with eyes, skin or clothes. Furthermore, as a universal safety precaution, we recommend that this product be treated as hazardous until information to the contrary becomes available.

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