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# Recombinant Human GABR $\beta$ 3(GABRB3) protein (His tag)



Catalog Number:PDEH100311

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

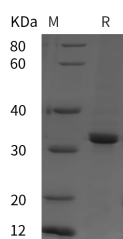
## Description

<b>Synonyms</b>	Gamma-aminobutyric acid receptor subunit beta-3;GABRB3;GABA(A) receptor subunit beta-3;GABRB3
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Ser 26-Tyr 245
<b>Accession</b>	P28472
<b>Calculated Molecular Weight</b>	24.1 kDa
<b>Observed molecular weight</b>	32 kDa
<b>Tag</b>	N-His & C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

$\gamma$ -aminobutyric acid type A receptor  $\beta$ 3 subunit (GABRB3) is a candidate gene for autism spectrum conditions (ASC). Alteration in the gene results in increased tactile sensitivity, or hypersensitivity. Overexpression of GABRB3 might be implicated in the pathogenesis of heroin dependence. Aberration or mutation of this gene leads to neurodevelopmental disorders, such as Angelman syndrome, Prader-Willi syndrome and schizophrenia.[1][3] GABRB3 polymorphisms results in nonsyndromic cleft lip and/or palate (NSCL/P).

## For Research Use Only

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