Recombinant Human GABRβ3(GABRB3) Protein (His Tag)

Catalog Number: PDEH100965

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

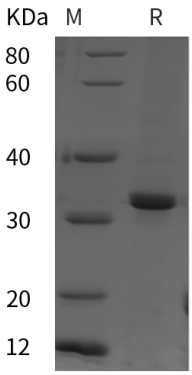
Description

Species	Human
Source	E.coli-derived Human GABRβ3 protein Ser26-Tyr245, with an N-terminal His & C-terminal His
Calculated MW	24.1 kDa
Observed MW	32 kDa
Accession	P28472
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human GABRβ3(GABRB3) proteins, 2 μg/lane of Recombinant Human GABRβ3(GABRB3) proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 32 kDa.

Background

γ-aminobutyric acid type A receptor β3 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).

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