

Recombinant Human Voltage-dependent calcium channel subunit alpha-2,delta-1(CACNA2D1),partial

Catalog No: #AP70105

Package Size: #AP70105-1 20ug #AP70105-2 100ug #AP70105-3 1mg

Description

Product Name	Recombinant Human Voltage-dependent calcium channel subunit alpha-2,delta-1(CACNA2D1),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:528-668aaSequence Info:Partial
Other Names	Voltage-gated calcium channel subunit alpha-2,delta-1
Accession No.	P54289
Calculated MW	32.3 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	QPKPIGVGIPTINLRKRRPNIQNPKSQEPVTLDFLDAELENLIKVEIRNKMIDGESGEKTFRTLKVSQDERYIDKG NRTYTWTPVNGTDYSLALVLPTYSFYYIKAKLEETITQARYSETLKPDNFEESGYTFIAPRDYCN
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

The alpha-2,delta subunit of voltage-dependent calcium channels regulates calcium current density and activation,inactivation kinetics of the calcium channel. Plays an important role in excitation-contraction coupling

References

"Structure and functional expression of alpha 1, alpha 2, and beta subunits of a novel human neuronal calcium channel subtype."

Williams M.E., Feldman D.H., McCue A.F., Brenner R., Velicelebi G., Ellis S.B., Harpold M.M.

Neuron 8:71-84(1992)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.