

Voltage-dependent calcium channel subunit alpha-2/delta-1 Recombinant Protein | CACNA2D1 recombinant protein

Recombinant Human Voltage-dependent calcium channel subunit alpha-2/delta-1

CATALOG # AAA113711	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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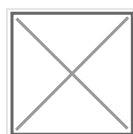
PRODUCT SYNONYMS

Voltage-dependent calcium channel subunit alpha-2/delta-1; Recombinant Human Voltage-dependent calcium channel subunit alpha-2/delta-1; Voltage-gated calcium channel subunit alpha-2/delta-1; CACNA2D1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	528-668. Partial
Sequence	QPKPIGVGIP TINLRKRRPN IQNPKSQEPV TLDFLDAELE NDIKVEIRNK MIDGESGEKT FRTL VKSQDE RYIDKGNRTY TWTPVNGTDY SLALVLP TYS FYYIKAKLEE TITQARYSET LKPDNFEESG YTFIAPRDYC N
Sequence Length	1091
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CACNA2D1 recombinant protein	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.
Product Categories/Family for CACNA2D1 recombinant protein	Neuroscience
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	54112390
NCBI GeneID	781
NCBI Accession #	NP_000713.2
NCBI GenBank Nucleotide #	NM_000722.3
UniProt Accession #	P54289; Q17R45; Q9UD80; Q9UD81; Q9UD82
Molecular Weight	32.3 kDa
NCBI Official Full Name	voltage-dependent calcium channel subunit alpha-2/delta-1 preproprotein
NCBI Official Synonym Full Names	calcium voltage-gated channel auxiliary subunit alpha2delta 1
NCBI Official Symbol	CACNA2D1
NCBI Official Synonym Symbols	CACNA2; CCHL2A; CACNL2A; LINC01112; lncRNA-N3
NCBI Protein Information	voltage-dependent calcium channel subunit alpha-2/delta-1
UniProt Protein Name	Voltage-dependent calcium channel subunit alpha-2/delta-1
UniProt Gene Name	CACNA2D1
UniProt Synonym Gene Names	CACNL2A; CCHL2A; MHS3
UniProt Entry Name	CA2D1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cacna2d1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113711>