

Glutamate receptor 3 (GRIA3) Recombinant Protein | GRIA3 recombinant protein

Recombinant Human Glutamate receptor 3 (GRIA3), partial

CATALOG # AAA18426	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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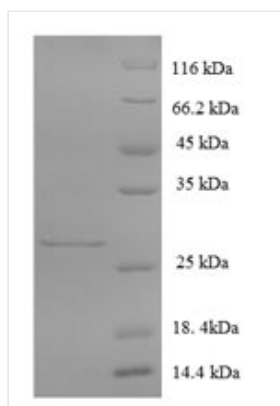
PRODUCT SYNONYMS

Glutamate receptor 3 (GRIA3); Recombinant Human Glutamate receptor 3 (GRIA3); partial; AMPA-selective glutamate receptor 3; GluR-C; GluR-K3; Glutamate receptor ionotropic; AMPA 3; GluA3; GRIA3 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	151-250aa; partial
Sequence	SLLGHYKWEK FVYLYDTERG FSILQAIMEA AVQNNWQVTA RSVGNIKDVQ EFRRIIEEMD RRQEKRYLID CEVERINTIL EQVVILGKHS RGYHYMLANL
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 GRIA3 recombinant protein	Receptor for glutamate that functions as ligand-gated ion channel in the central nervous system and plays an important role in excitatory synaptic transmission. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist. In the presence of CACNG4 or CACNG7 or CACNG8, shows resensitization which is characterized by a delayed accumulation of current flux upon continued application of glutamate.
Product Categories/Family for GRIA3 recombinant protein	Neuroscience

References

Human glutamate receptor hGluR3 flip and flop isoforms cloning and sequencing of the cDNAs and primary structure of the proteins.Rampersad V., Elliott C.E., Nutt S.L., Foldes R.L., Kamboj R.K.Biochim. Biophys. Acta 1219:563-566(1994) McLaughlin D.P., Kerwin R.W. Characterization of the human glutamate receptor subunit 3 gene (GRIA3) , a candidate for bipolar disorder and nonspecific X-linked mental retardation.Gecz J., Barnett S., Liu J., Hollway G., Donnelly A., Eyre H., Eshkevari H.S., Baltazar R., Grunn A., Nagaraja R., Gilliam C., Peltonen L., Sutherland G.R., Baron M., Mulley J.C.Genomics 62:356-368(1999) Candidate gene analysis in Rett syndrome and the identification of 21 SNPs in Xq.Amir R., Dahle E.J., Toriolo D., Zoghbi H.Y.3.3.CO;2-N>Am. J. Med. Genet. 90:69-71(2000) The DNA sequence of the human X chromosome.Ross M.T., Grafham D.V., Coffey A.J., Scherer S., McLay K., Muzny D., Platzer M., Howell G.R., Burrows C., Bird C.P., Frankish A., Lovell F.L., Howe K.L., Ashurst J.L., Fulton R.S., Sudbrak R., Wen G., Jones M.C., Hurler M.E., Andrews T.D., Scott C.E., Searle S., Ramser J., Whittaker A., Deadman R., Carter N.P., Hunt S.E., Chen R., Cree A., Gunaratne P., Havlak P., Hodgson A., Metzker M.L., Richards S., Scott G., Steffen D., Sodergren E., Wheeler D.A., Worley K.C., Ainscough R., Ambrose K.D., Ansari-Lari M.A., Aradhya S., Ashwell R.I., Babbage A.K., Bagguley C.L., Ballabio A., Banerjee R., Barker G.E., Barlow K.F., Barrett I.P., Bates K.N., Beare D.M., Beasley H., Beasley O., Beck A., Bethel G., Blechschmidt K., Brady N., Bray-Allen S., Bridgeman A.M., Brown A.J., Brown M.J., Bonnin D., Bruford E.A., Buhay C., Burch P., Burford D., Burgess J., Burrill W., Burton J., Bye J.M., Carder C., Carrel L., Chako J., Chapman J.C., Chavez D., Chen E., Chen G., Chen Y., Chen Z., Chinault C., Ciccodicola A., Clark S.Y., Clarke G., Clee C.M., Clegg S., Clerc-Blankenburg K., Clifford K., Cobley V., Cole C.G., Conquer J.S., Corby N., Connor R.E., David R., Davies J., Davis C., Davis J., Delgado O., Deshazo D., Dhami P., Ding Y., Dinh H., Dodsworth S., Draper H., Dugan-Rocha S., Dunham A., Dunn M., Durbin K.J., Dutta I., Eades T., Ellwood M., Emery-Cohen A., Errington H., Evans K.L., Faulkner L., Francis F., Frankland J., Fraser A.E., Galgoczy P., Gilbert J., Gill R., Gloeckner G., Gregory S.G., Gribble S., Griffiths C., Grocock R., Gu Y., Gwilliam R., Hamilton C., Hart E.A., Hawes A., Heath P.D., Heitmann K., Hennig S., Hernandez J., Hinzmann B., Ho S., Hoffs M., Howden P.J., Huckle E.J., Hume J., Hunt P.J., Hunt A.R., Isherwood J., Jacob L., Johnson D., Jones S., de Jong P.J., Joseph S.S., Keenan S., Kelly S., Kershaw J.K., Khan Z., Kioschis P., Klages S., Knights A.J., Kosiura A., Kovar-Smith C., Laird G.K., Langford C., Lawlor S., Leversha M., Lewis L., Liu W., Lloyd C., Lloyd D.M., Loulseged H., Loveland J.E., Lovell J.D., Lozado R., Lu J., Lyne R., Ma J., Maheshwari M., Matthews L.H., McDowall J., McLaren S., McMurray A., Meidl P., Meitinger T., Milne S., Miner G., Mistry S.L., Morgan M., Morris S., Mueller I., Mullikin J.C., Nguyen N., Nordsiek G., Nyakatura G., O'dell C.N., Okwuonu G., Palmer S., Pandian R., Parker D., Parrish J., Pasternak S., Patel D., Pearce A.V., Pearson D.M., Pelan S.E., Perez L., Porter K.M., Ramsey Y., Reichwald K., Rhodes S., Ridler K.A., Schlessinger D., Schueler M.G., Sehra H.K., Shaw-Smith C., Shen H., Sheridan E.M., Shownkeen R., Skuce C.D., Smith M.L., Sotheran E.C., Steingruber H.E., Steward C.A., Storey R., Swann R.M., Swarbreck D., Tabor P.E., Taudien S., Taylor T., Teague B., Thomas K., Thorpe A., Timms K., Tracey A., Trevanion S., Tromans A.C., d'Urso M., Verduzco D., Villasana D., Waldron L., Wall M., Wang Q., Warren J., Warry G.L., Wei X., West A., Whitehead S.L., Whiteley M.N., Wilkinson J.E., Willey D.L., Williams G., Williams L., Williamson A., Williamson H., Wilming L., Woodmansey R.L., Wray P.W., Yen J., Zhang J., Zhou J., Zoghbi H., Zorilla S., Buck D., Reinhardt R., Poustka A., Rosenthal A., Lehrach H., Meindl A., Minx P.J., Hillier L.W., Willard H.F., Wilson R.K., Waterston R.H., Rice C.M., Vaudin M., Coulson A., Nelson D.L., Weinstock G., Sulston J.E., Durbin R.M., Hubbard T., Gibbs R.A., Beck S., Rogers J., Bentley D.R.Nature 434:325-337(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	163659858
NCBI GeneID	2892
NCBI Accession #	NP_000819.3
NCBI GenBank Nucleotide #	NM_000828.4
UniProt Accession #	P42263; Q4VXD5; Q4VXD6; Q9HDA0; Q9HDA1; Q9HDA2; Q9P0H1; D3DTF1
Molecular Weight	14 kDa
NCBI Official Full Name	glutamate receptor 3 isoform 2
NCBI Official Synonym Full Names	glutamate ionotropic receptor AMPA type subunit 3
NCBI Official Symbol	GRIA3
NCBI Official Synonym Symbols	GLUR3; GLURC; GluA3; MRX94; GLUR-C; GLUR-K3
NCBI Protein Information	glutamate receptor 3
UniProt Protein Name	Glutamate receptor 3

UniProt Gene Name	GRIA3
UniProt Synonym Gene Names	GLUR3; GLURC; GluR-3; GluA3
UniProt Entry Name	GRIA3_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://www.aaabiotech.com/gria3-recombinant-protein-e-coli/18426>