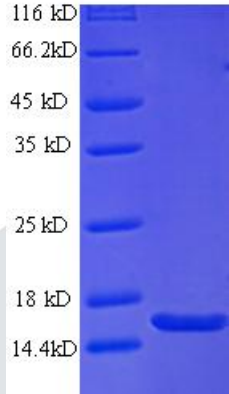




## Recombinant Human Glutamate receptor 3 (GRIA3)

Catalog Number: CSB-EP009900HU

<b>Product Name:</b>	Recombinant Human Glutamate receptor 3 (GRIA3)
<b>Alternative names:</b>	AMPA-selective glutamate receptor 3
<b>Catalog Number:</b>	CSB-EP009900HU
<b>Relevance :</b>	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 chemical 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.
<b>Predicted Mol. Weight:</b>	15kD
<b>Product Info :</b>	His-tagged
<b>Source:</b>	E.coli derived
<b>Images</b>	
<b>Purity:</b>	>90%(SDS-PAGE)
<b>Storage Buffer:</b>	20mM Tris-HCl, 0.5M NaCl, PH 8.0,50% glycerol
<b>Storage :</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Notes :</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>AA sequence:</b>	<p>SLLGHYKWEKVFVYLYDTERGFSILQAIMEAAVQNNWQVTARSVGNIKDVQEFRRRIIEEMDR</p> <p>RQEKRYLIDCEVERINTILEQVVILGKHSRGYHYMLANL</p>
<b>References:</b>	<p>"Human glutamate receptor hGluR3 flip and flop isoforms: cloning and sequencing of the cDNAs and primary structure of the proteins."</p> <p>Rampersad V., Elliott C.E., Nutt S.L., Foldes R.L., Kamboj R.K.</p> <p>Biochim. Biophys. Acta 1219:563-566(1994)</p>