

Recombinant human Substance-P receptor

Catalog No: #AP72082



Package Size: #AP72082-1 20ug #AP72082-2 100ug #AP72082-3 1mg

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Description

Product Name	Recombinant human Substance-P receptor
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-29aaSequence Info:Extracellular Domain
Other Names	NK-1 receptor ;NK-1RTachykinin receptor 1
Accession No.	P25103
Uniprot	P25103
GeneID	6869;
Calculated MW	30.1 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MDNVLPVDSLSPNISTNTSEPNQFVQPA
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

This is a receptor for the tachykinin neuropeptide substance P. It is probably associated with G proteins that activate a phosphatidylinositol-calcium second messenger syst. The rank order of affinity of this receptor to tachykinins is: substance P > substance K > neuromedin-K.

References

Molecular cloning, structural characterization and functional expression of the human substance P receptor.Takeda Y., Chou K.B., Takeda J., Sachais B.S., Krause J.E.Biochem. Biophys. Res. Commun. 179:1232-1240(1991)Research Topic:Neuroscience

Note: This product is for in vitro research use only