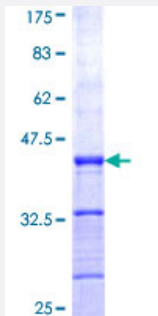


PHOX2A (Human) Recombinant Protein (Q01)

Catalog # H00000401-Q01

Size 25 ug, 10 ug

Applications



Specification

| | |
|--------------------------------|---|
| Product Description | Human PHOX2A partial ORF (NP_005160, 1 a.a. - 90 a.a.) recombinant protein with GST-tag at N-terminal. |
| Sequence | MDYSYLSYDSCVAAMEASAYGDFGACSQPGGFQYSPLRPAFPAAGPPCPALGSSNCALGALRDHQPAPYSAVPYKFFPEPSGLHEKRRKQ |
| Host | Wheat Germ (in vitro) |
| Theoretical MW (kDa) | 35.64 |
| Preparation Method | in vitro wheat germ expression system |
| Purification | Glutathione Sepharose 4 Fast Flow |
| Quality Control Testing | 12.5% SDS-PAGE Stained with Coomassie Blue. |
| Storage Buffer | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| Storage Instruction | Store at -80°C. Aliquot to avoid repeated freezing and thawing. |
| Note | Best use within three months from the date of receipt of this protein. |

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PHOX2A

Entrez GeneID [401](#)

GeneBank Accession# [NM_005169](#)

Protein Accession# [NP_005160](#)

Gene Name PHOX2A

Gene Alias ARIX, CFEOM2, FEOM2, MGC52227, NCAM2, PMX2A

Gene Description paired-like homeobox 2a

Omim ID [602078 602753](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene contains a paired-like homeodomain most similar to that of the Drosophila aristaless gene product. The encoded protein plays a central role in development of the autonomic nervous system. It regulates the expression of tyrosine hydroxylase and dopamine beta-hydroxylase, two catecholaminergic biosynthetic enzymes essential for the differentiation and maintenance of the noradrenergic neurotransmitter phenotype. The encoded protein has also been shown to regulate transcription of the alpha3 nicotinic acetylcholine receptor gene. Mutations in this gene have been associated with autosomal recessive congenital fibrosis of the extraocular muscles. [provided by RefSeq]

Other Designations aristaless homeobox homolog|arix homeodomain protein

Disease

- [Sudden Infant Death](#)