



# Recombinant Human Ventral anterior homeobox 1 (VAX1)

<b>Product Code</b>	CSB-EP025806HU
<b>Abbreviation</b>	VAX1
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q5SQQ9
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MFGKPKMDV RCHSDAEAAR VSKNAHKESR ESKGAEGNLP AAFLKEPQGA FSASGAAEDC NKSNSNSAAD PDYCRRILVR DAKGSIREII LPKGLDLDRP KRTRTSFTAE QLYRLEMETFQ RCQYVVGRER TELARQLNLS ETQVKVWFQN RRTKQKKDQG KDELRSVVS ETAATCSVLR LLEQGRLLS PGLPALLPPC ATGALGSALR GPSLPALGAG AAAGSAAAAA AAPGPAGAA SPHPPAVGGA PGPGPAGPGG LHAGAPAAGH SLFSLPVP SL LGSVASRLSS APLTMAGSLA GNLQELSARY LSSSAFEPYS RTNNKEGAEK KALD
<b>Source</b>	E.coli
<b>Target Names</b>	VAX1
<b>Protein Names</b>	Recommended name: Ventral anterior homeobox 1
<b>Expression Region</b>	1-334
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene encodes a homeo-domain containing protein from a class of homeobox transcription factors which are conserved in vertebrates. Genes of this family are involved in the regulation of body development and morphogenesis. The most conserved genes, called HOX genes are found in special gene clusters. This gene belongs to the VAX subfamily and lies in the vicinity of the EMX homeobox gene family. Another member of VAX family is located on chromosome 2. The encoded protein may play an important role in the development of anterior ventral forebrain and visual system. Multiple transcript variants encoding different isoforms have been found for this gene.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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