

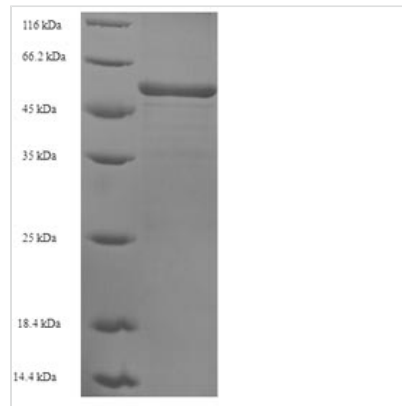


# Recombinant Human Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (ATP2A2), partial

<b>Product Code</b>	CSB-EP002333HU
<b>Relevance</b>	This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol to the sarcoplasmic reticulum lumen. Isoform 2 is involved in the regulation of the contraction/relaxation cycle.
<b>Abbreviation</b>	Recombinant Human ATP2A2 protein, partial
<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>	P16615
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	VITTCLALGTRRMAKKNAIVRSLPSVETLGCTSVICSDKTGTLTTNQMSVCRMFI LDRVEGDTCSLNEFTITGSTYAPIGEVHKDDKPVNCHQYDGLVELATICALCND SALDYNEAKGVYEKVGATETALTCLVEKMNVFDTELKGLSKIERANACNSVIK QLMKKEFTLEFSRDRKSMSVYCTPNKPSRTSMSKMFVKGAPEGVIDRCTHIRV GSTKVPMTSGVKQKIMSVIREWGGSDTLRCLALATHDNPLRREEMHLEDSA NFIKYETNLTFVGCVGMLDPPRIEVASSVKLCRQAGIRVIMITGDNKGTAVAICR RIGIFGQDEDVTSKAFTGREFDELNPSAQRDACLNARCFARVEPSHKSKIVEFL QSFDEITAMTGDGVNDAPALKKAEIGIAMGSGTAVAKTASEMVLADDNFSTIVA AVEEGRAIYNNM
<b>Research Area</b>	Cardiovascular
<b>Source</b>	E.coli
<b>Target Names</b>	ATP2A2
<b>Protein Names</b>	Recommended name: Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 Short name= SERCA2 Short name= SR Ca(2+)-ATPase 2 EC= 3.6.3.8Alternative name(s): Calcium pump 2 Calcium-transporting ATPase sarcoplasmic reticulum type, slow
<b>Expression Region</b>	314-756aa
<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>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	52.3kDa
<b>Protein Length</b>	Partial



## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Shelf Life

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