

Catalog Number: 230-30165

Recombinant Human Angiotensin-converting Enzyme 2 (ACE2)

Source

Species	Human
Accession Number	Q9BYF1
Expressed Region	Gln18-Ser740 (Extracellular domain)
Synonyms	ACE2, Angiotensin-converting enzyme 2, ACE-related carboxypeptidase, ACEH, Metalloprotease MPROT15

Preparation

Expression System	Human embryonic kidney 293 (HEK293) cells
Tag	C-terminal his-tag
Purification	His-tag affinity purification by immobilized metal ion affinity chromatography (IMAC)
Purity	>95 %
Purity Determined By	SDS-PAGE under reducing conditions and visualized by Coomassie blue staining
Molecular Weight	Recombinant protein product has a calculated molecular mass of ~90 kDa. Due to the abundant glycosylation, it migrates as approximately ~100 kDa protein bands in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions. See deglycosylation analysis image below.

Protein Specifications

Format	Liquid
Formulation	Supplied as a 0.2 um filtered solution in PBS (pH 7.4)
Concentration	Lot specific (see the label on the vial), determined by BCA protein assay
Recommended Applications	Binding assay, enzyme activity assay, ELISA, glycosylation analysis, antibody generation, hybridoma screening, western blotting, biotin/dye/bead conjugation, binder selection, crystallization, etc.

Shipping

Ice packs

Storage/Stability

Upon arrival, the protein may be stored for 2 weeks at 4 °C. For long term storage, it is recommended to store at -20 °C or -80 °C in appropriate aliquots. Avoid repeated freeze-thaw cycles.

This product is furnished for LABORATORY RESEARCH USE ONLY.

Not for diagnostic or therapeutic use.