

Product Information

MemDX™ Membrane Protein Human BACE2 (beta-secretase 2) for Antibody Discovery

Cat. No.: **MP0715J**

This product is for research use only and is not intended for diagnostic use.

This product is a 49.8 kDa Human BACE2 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

BACE2

Protein Length

Full-length

Protein Class

Druggable Genome, Protease, Transmembrane

Molecular Weight

49.8 kDa

TMD

1

Sequence

MGALARALLPLLAQWLLRAAPELAPAPFTLPLRVAAATNRVVAPTPGPGTPAERHADGLALALEPALAS
PAGAAFLAMVDNLQGDSEGRGYYLEMLIGTPPQKLQILVDTGSSNFAVAGTPHSYIDTYFDTERSSTYRS
KGFDVTVKYTQGSWTGFVGEDLV TIPKGFNTSFLVNIATIFESENFFLP GIKWNGILGLAYATLAKPSSS
LETFFDSLVTQANIPNVFSMQMCGAGLPVAGSGTNGGSLVLGGIEPSLYKGDWYTPIKEEWYYYQIEILK
LEIGGQSLNLD CREYNADKAIVDSGTLLRLPQKVFDVVEAVARASLIPEFSDGFWTGSQ LACWTNSET
PWSYFPKISYLRDENSSRSFRITLPQLYIQPMMGAGLNYECYRFGISPSTNALVIGATVMEGFYVIFD
RAQKRVGFAASPCAEIAGA AVSEISGPFSTEDVASNCVPAQSLSEPI LWIVSYALMSVCGAILLV LVLVLL
LLPFR CQRRPRDPEVVNDESSLVRHRWK

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

BACE2

Full Name

beta-secretase 2

Introduction

This gene encodes an integral membrane glycoprotein that functions as an aspartic protease. The encoded protein cleaves amyloid precursor protein into amyloid beta peptide, which is a critical step in the etiology of Alzheimer's disease and Down syndrome. The protein precursor is further processed into an active mature peptide. Alternative splicing results in multiple transcript variants.

Alternative Names

ASP1; BAE2; DRAP; AEPLC; ALP56; ASP21; CDA13; CEAP1

Gene ID

[25825](#)

UniProt ID

[Q9Y5Z0](#)