

APLP2 recombinant protein

Recombinant Human APLP2 Protein (ECD, His Tag), HPLC-verified

CATALOG # AAA259328	HOST HEK293 Cells	REACTIVITY Human
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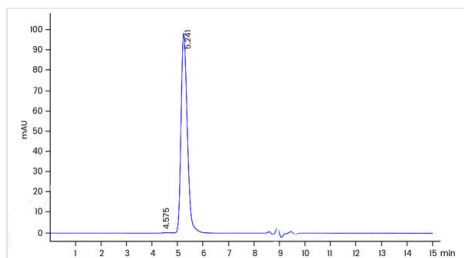
PRODUCT SYNONYMS

APLP2; Recombinant Human APLP2 Protein (ECD; His Tag); HPLC-verified; Human APLP2 Protein (ECD; amyloid beta precursor like protein 2; APLP-2 Protein; Human; APPH Protein; APPL2 Protein; CDEBP Protein; APLP2 recombinant protein

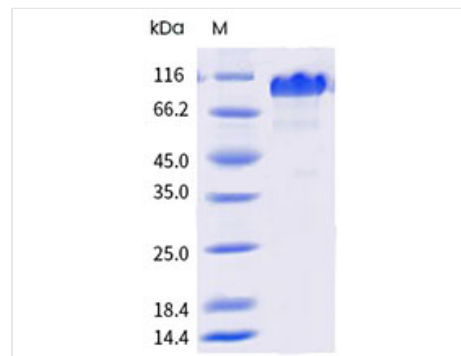
PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Reactivity	Human
Purity/Purification	>= 90% as determined by SDS-PAGE. >= 95% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence	Met1-Ser69 2
Tag	C-His
Predicted N Terminal	Gly 32
Endotoxin	< 1.0 EU perug of the protein as determined by the LAL method
Protein Construction	A DNA sequence encoding the Human APLP2 (Q06481-1)(Met1-Ser692) was expressed with a polyhistidine tag at the C-terminus.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for APLP2 recombinant protein	YWK-II protein/APLP2 is a member of an evolutionarily conserved APP family that includes amyloid precursor protein (APP) and amyloid precursor-like protein-1 (APLP1). YWK-II/APLP2 functions as a novel G(0)-protein-coupled receptor for Müllerian inhibiting substance (MIS) in cell survival. Human leukocyte antigen-B-associated transcript 3 (Bat3), an important regulator involved in apoptosis, can interact with YWK-II/APLP2 and enhance its stability by reducing its ubiquitylation and degradation by the ubiquitin-proteasome system. APLP2 is specifically required for proper cell cycle exit of neuronal progenitors, and has a distinct role in priming cortical progenitors for neuronal differentiation. Amyloid precursor like protein-2 (APLP2), a closely related homolog to AbetaPP, also possesses a highly conserved KPI domain. AbetaPP and APLP2 share overlapping anticoagulant functions with regard to regulating thrombosis after cerebral vascular injury.
References	Wan. X. e. al. (2018). Aplp. modulate. jnk-dependen. cel. migratio. i. drosophila. Biome. Re. In. 201. 7469714.Ha. K. e. al. (2017). Amyloid-precursro. lik. protein. aplp. an. aplp. ar. dispensabl. fo. norma. developmen. o. th. neonata. respirator. network. Fron. Mo. Neurosc. 1. 189.Ga. L. e. al. (2019). Rol. o. aplp. i. th. prognosi. an. clinicopatholog. o. rena. cel. carcinoma. Onco. Let. 1. (1). 508-513.

NCBI AND UNIPROT INFORMATION

NCBI GI #	214010181
NCBI GeneID	334
NCBI Accession #	NP_001135748.1
NCBI GenBank Nucleotide #	NM_001142276.1
UniProt Accession #	Q06481; Q13861; Q14594; Q14662; Q71U10; Q7M4L3; Q9BT36
Molecular Weight	86,956 Da
NCBI Official Full Name	amyloid-like protein 2 isoform 2
NCBI Official Synonym Full Names	amyloid beta (A4) precursor-like protein 2
NCBI Official Symbol	APLP2
NCBI Official Synonym Symbols	APPH; APPL2; CDEBP; APLP-2
NCBI Protein Information	amyloid-like protein 2; CDEI box-binding protein; amyloid precursor protein homolog HSD-2
UniProt Protein Name	Amyloid-like protein 2
UniProt Gene Name	APLP2
UniProt Synonym Gene Names	APPL2; APLP-2; CDEBP
UniProt Entry Name	APLP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.