

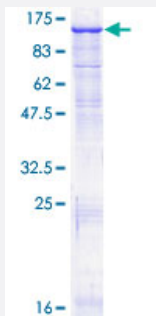
Full-Length

PLG (Human) Recombinant Protein (P01)

Catalog # H00005340-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PLG full-length ORF (NP_000292.1, 1 a.a. - 810 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEHKEVLLLLLLFLKSGQGEPLDDYVNTQGASLFSVTKKQLGAGSIEECAAKCEEDEEFTCRAF
QYHSKEQQCVIMAENRKSSIIIRMRDVVLFEKKVYLSECKTGNGKNYRGTMSTKNGITCQKWSST
SPHRPRFSPATHPSEGLEENYCRNPNDPQGPWCYTDDPEKRYDYCDILECEEECMHCSGENY
DGKISKTMSGLECAWDSQSPHAHGYPSPFNKLNKKNYCRNPDRLPWCFTTDPNKRWEL
CDIPRCTTPPPSSGPTYQCLKGTGENYRGNVAVTVSGHTCQHWSAQTPHTHNRTPENFPCKNLD
ENYCRNPDGKRAPWCHTTNSQVRWEYCKIPSCDSSPVSTEQLAPTAPPELTPVVQDCYHGDGQ
SYRGTSSTTTTGKKCQSWSSMTPHRHQKTPENYPNAGLTMNYCRNPADKGPWCFTTDPVSRW
EYCNLKKCSGTEASVVAPPPVLLPDVETPSEEDCMFGNGKGYRGKRATTVTGTPCQDWAAQE
PHRHSIFTPETNPRAGLEKNYCRNPDGDVGGPWCYTTNPRKLYDYCDVPQCAAPSFDCGKPQV
EPKKCPGRVVGCVAPHSWPWQVSLRTRFGMHFCGGTLISPEWVLTAAHCLEKSPRPSSYKV
ILGAHQEVNLEPHVQIEVSRLFLEPTRKDIALKLSSPAVITDKVIPACLPSPNYVADRTCEFITG
WGETQGTFGAGLLKEAQLPVLENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSSGGLVC
FEKDKYLQGVTSWGLGCARPKNKPGVYVRVSRFVTWIEGVMRNN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

117

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PLG

Entrez GeneID	5340
GeneBank Accession#	NM_000301.1
Protein Accession#	NP_000292.1
Gene Name	PLG
Gene Alias	DKFZp779M0222
Gene Description	plasminogen
Omim ID	173350 217090
Gene Ontology	Hyperlink
Gene Summary	Plasminogen (PLG) is a circulating zymogen that is converted to the active enzyme plasmin by cleavage of the peptide bond between arg560 and val561, which is mediated by urokinase (PLAU; MIM 191840) and tissue plasminogen activator (PLAT; MIM 173370). The main function of plasmin is to dissolve fibrin (see, e.g., FGA, MIM 134820) clots. Plasmin, like trypsin, belongs to the family of serine proteinases (Miyata et al., 1982 [PubMed 6216475]; Forsgren et al., 1987 [PubMed 3030813]).[supplied by OMIM]
Other Designations	OTTHUMP00000017544

Pathway

- [Complement and coagulation cascades](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alzheimer disease](#)
- [Aspergillosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Liver Cirrhosis](#)
- [Lung Diseases](#)
- [Premature Birth](#)
- [Venous Thrombosis](#)