

ASPH Protein, Human (His-SUMO)

Cat. No.:	HY-P72092
Synonyms:	ASPH; BAHAspartyl/asparaginyl beta-hydroxylase; EC 1.14.11.16; Aspartate beta-hydroxylase; ASPH beta-hydroxylase; Peptide-aspartate beta-dioxygenase
Species:	Human
Source:	E. coli
Accession:	Q12797 (F75-T270)
Gene ID:	444
Molecular Weight:	Approximately 38.2 kDa

PROPERTIES

AA Sequence	<pre> FDLV DYE E E V L G K L G I Y D A D G D G D F D V D D A K V L L G L K E R S T S E P A V P P E E A E P H T E P E E Q V P V E A E P Q N I E D E A K E Q I Q S L L H E M V H A E H E T E H S Y H V E E T V S Q D C N Q D M E E M M S E Q E N P D S S E P V V E D E R L H H D T D D V T Y Q V Y E E Q A V Y E P L E N E G I E I T E V T A P P E D N P V E D S Q V I V E E V S I F P V E E Q Q E V P P D T </pre>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm solution of Tris-based buffer, 50% Glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CDC25 also phosphorylates a protein called SPRTN, promoting its recruitment to chromatin. It reduces replication stress and activates the G2/M checkpoint by phosphorylating and inactivating PABIR1/FAM122A. This promotes the serine/threonine-protein phosphatase 2A-mediated dephosphorylation and stabilization of WEE1 levels and activity.
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Caution: Product has not been fully validated for medical applications. For research use only.

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