

FBXO48 Protein, Human (His)

Cat. No.:	HY-P71558
Synonyms:	FBXO48; FBX48F-box only protein 48
Species:	Human
Source:	E. coli
Accession:	Q5FWF7 (1M-155R)
Gene ID:	554251
Molecular Weight:	Approximately 25.7 kDa

PROPERTIES

AA Sequence	<p>M H K N S K R N N N L R V S H T E A N S V D A E K E K N E S Q N N F F E L L P A</p> <p>E I T F K I F S Q L D I R S L C R A S L T C R S W N D T I R N S D S L W K P H C</p> <p>M T V R A V C R R E I D D D L E S G Y S W R V I L L R N Y Q K S K V K H E W L S</p> <p>G R Y S N I C S P I S L P E K I M Y P M D A D T W G E I L E A E L E R</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
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	<p>F-box only protein 48 is part of the SCF ubiquitin ligase complex and is involved in the catabolic process of SCF-dependent proteasome ubiquitin-dependent proteins. FBXO48 performs polyubiquitination and proteasome degradation by targeting activity-phosphorylated Ampka (PAMPK-α). FBXO48 gene is located at the pathogenic gene locus 2p13.3 of Parkinson's disease type 3 (PARK3) and is one of the homologous genes of the pathogenic gene F-box only protein 7 gene (FBXO7) of Parkinson's disease type 15 (PARK15). Also known as Parkinsonian pyramidopathy (PPD)^{[1][2][3]}.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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