Active Recombinant Human OMA1 Full Length Transmembrane protein, His-SUMO-tagged

Cat. No. OMA1-231H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OMA1 protein(Q96E52)(14-524aa), fused with N-terminal His-SUMO tag, was expressed in in vitro E. coli expression system.
Species	Human
Source	E.coli
ProteinLength	14-524aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized OMA1 at 5 μg/ml can bind human BZW2, the EC50 of human BZM2 is 45.42-72.22 μg/ml.
Molecular Mass	74.7kDa
AA Sequence	HVFFRFNSLSNWRKCNTLASTSRGCHQVQVNHIVNKYQGLGVNQCDRWSFLPGNF HFYSTFNNKRTGGLSSTKSKEIWRITSKCTVWNDAFSRQLLIKEVTAVPSLSVLHPLS PASIRAIRNFHTSPRFQAAPVPLLLMILKPVQKLFAIIVGRGIRKWWQALPPNKKEVVK ENIRKNKWKLFLGLSSFGLLFVVFYFTHLEVSPITGRSKLLLLGKEQFRLLSELEYEA WMEEFKNDMLTEKDARYLAVKEVLCHLIECNKDVPGISQINWVIHVVDSPIINAFVLP

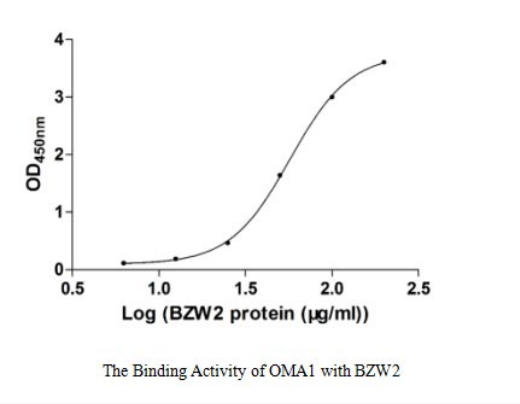
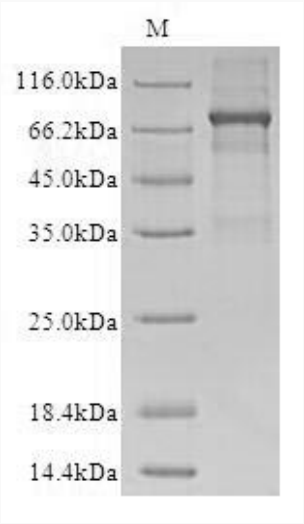
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	NGQMFVFTGFLNSVTDIHQLSFLLGHEIAHAVLGHAAEKAGMVHLLDFLGMIFLTMIW AICPRDSLALLCQWIQSKLQEYMFNRPYSRKLEAEADKIGLLLAAKACADIRASSVFW QQMEFVDSLHGQPKMPEWLSTHPSHGNRVEYLDRLIPQALKIREMCNCPPLSNPDP RLLFKLSTKHFLEESEKEDLNITKKQKMDTLPIQKQEQIPLTYIVEKRTGS
Purity	Greater than 90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

GENE INFORMATION

Gene Name	OMA1 OMA1 zinc metallopeptidase homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	OMA1
Synonyms	OMA1; OMA1 zinc metallopeptidase homolog (S. cerevisiae); metalloendopeptidase OMA1, mitochondrial; FLJ33782; MPRP 1; overlapping activity with M AAA protease; YKR087C; ZMPOMA1; metalloprotease related protein 1; metalloprotease-related protein 1; OMA1 homolog, zinc metallopeptidase; overlapping activity with M-AAA protease; DAB1; MPRP-1; 2010001O09Rik;
Gene ID	115209
mRNA Refseq	NM_145243
Protein Refseq	NP_660286

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UniProt ID	Q96E52
Activity	 The Binding Activity of OMA1 with BZW2
SDS-PAGE	

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