Recombinant Human CASTOR1 Protein, GST-tagged

Cat. No. CASTOR1-4758H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LOC652968 full-length ORF (CAK54431.1, 1 a.a. - 329 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	CASTOR1 (Cytosolic Arginine Sensor For MTORC1 Subunit 1) is a Protein Coding gene. An important paralog of this gene is CASTOR2.
Molecular Mass	62.59 kDa
AA Sequence	MELHILEHRVRVLSVARPGLWLYTHPLIKLLFLPRRSRCKFFSLTETPEDYTLMVDEE GFKELPPSEFLQVAEATWLVLNVSSHSGAAVQAAGVTKIARSVIAPLAEHHVSVLML STYQTDFILVREQDLSVVIHTLAQEFDIYREVGGEPVPVTRDDSSNGFPRTQHGPSP TVHPIQSPQNRFCVLTLDPETLPAIATTLIDVLFYSHSTPKEAASSSPEPSSITFFAFSLI EGYISIVMDAETQKKFPSDLLLTSSSGELWRMVRIGGQPLGFDECGIVAQIAGPLAAA DISAYYISTFNFDHALVPEDGIGSVIEVLQRRQEGLAS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.

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Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CASTOR1 cytosolic arginine sensor for mTORC1 subunit 1 [Homo sapiens (human)]
Official Symbol	CASTOR1
Synonyms	CASTOR1; cytosolic arginine sensor for mTORC1 subunit 1; GATSL3; cytosolic arginine sensor for mTORC1 subunit 1; GATS protein like 3; GATS-like protein 3; cellular arginine sensor for mTORC1 protein 1
Gene ID	652968
mRNA Refseq	NM_001037666
Protein Refseq	NP_001032755
MIM	617034
UniProt ID	Q8WTX7

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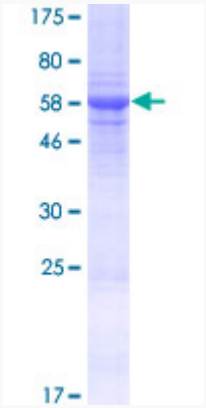
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue

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