

Recombinant Human ESX1 Protein, GST-tagged

Cat. No. ESX1-3513H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ESX1L partial ORF (NP_703149, 124 a.a. - 213 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a dual-function 65 kDa protein that undergoes proteolytic cleavage to produce a 45 kDa N-terminal fragment with a paired-like homeodomain and a 20 kDa C-terminal fragment with a proline-rich domain. The C-terminal fragment localizes to the cytoplasm while the N-terminal fragment localizes exclusively to the nucleus. In contrast to human, the mouse homolog has a novel PN/PF motif in the C-terminus and is paternally imprinted in placental tissue. This gene likely plays a role in placental development and spermatogenesis. [provided by RefSeq, Jan 2010]
Molecular Mass	35.64 kDa
AA Sequence	AEGPQTAEGPQPPERKRRRRRTAFTQFQLQELENFFDESQYPDVVARERLAARLNLT EDRVQVWFQNRRAKWKRNRQVLMRLNTATADLAH
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
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

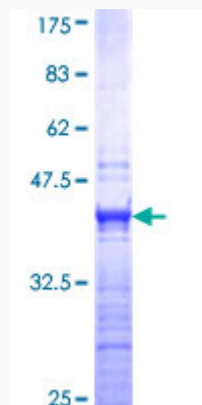
Gene Name	ESX1 ESX homeobox 1 [Homo sapiens]
Official Symbol	ESX1
Synonyms	ESX1; ESX homeobox 1; ESX1L, extraembryonic, spermatogenesis, homeobox 1 homolog (mouse); homeobox protein ESX1; ESXR1; ESX1-related protein; extraembryonic, spermatogenesis, homeobox 1 homolog; ESX1L;
Gene ID	80712
mRNA Refseq	NM_153448
Protein Refseq	NP_703149
MIM	300154
UniProt ID	Q8N693

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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