

Recombinant Human ESX1, His-tagged

Cat. No. ESX1-12563H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ESX1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-406a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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
Chromosome Location	Xq22.2
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;