

E-selectin/CD62E Protein, Human (HEK293, His)

Cat. No.:	HY-P72661
Synonyms:	E-selectin; ELAM-1; LECAM2; CD62E; SELE
Species:	Human
Source:	HEK293
Accession:	P16581 (W22-P556)
Gene ID:	6401
Molecular Weight:	Approximately 104 kDa

PROPERTIES

AA Sequence

WSYNTSTEAM	TYDEASAYCQ	QRYTHLVAIQ	NKEEIEYLNS
ILSYSPSYW	IGIRKVNNVW	VWVGTKPLT	EEAKNWAPGE
PNNRQKDEDC	VEIYIKREKD	VGMWNDERCS	KKKLALCYTA
ACTNTSCSGH	GECVETINNY	TCKCDPGFSG	LKCEQIVNCT
ALESPEHGSL	VCSHPLGNFS	YNSSCSI SCD	RGYLPSSMET
MQCMSSGEWS	APIPACNVVE	CDAVTNPANG	FVECFQNP GS
FPWNTTCTFD	CEEGFELMGA	QSLQCTSSGN	WDNEKPTCKA
VTCRAVRQPQ	NGSVRCSHSP	AGEFTFKSSC	NFTCEE GFML
QGPAQVECTT	QGQWTQQIPV	CEAFQCTALS	NPERGYMNCL
PSASGSFRYG	SSCEFSCEQG	FVLKGSKRLQ	CGPTGEWDNE
KPTCEAVRCD	AVHQPPKGLV	RCAHSPIGEF	TYKSSCAFSC
EEGFELHGST	QLECTSQGQW	TEEVPSCQVV	KCSSLAVPGK
INMSCSGEPV	FGTVCKFACP	EGWTLNGSAA	RTCGATGHWS
GLLPTCEAPT	ESNIP		

Appearance Lyophilized powder.

Formulation Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

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 ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

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

E-selectin/CD62E Protein is a cell-surface glycoprotein that plays a crucial role in immunoadhesion. It mediates the adhesion of blood neutrophils in cytokine-activated endothelium by interacting with SELPLG/PSGL1. Additionally, E-selectin/CD62E Protein may be involved in capillary morphogenesis. It interacts with SELPLG/PSGL1 and PODXL2 through the sialyl Lewis X epitope, and it is worth noting that SELPLG sulfation is not necessary for this interaction.

Caution: Product has not been fully validated for medical applications. For research use only.

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